CONTRACTOR

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WAR DEPARTMENT

TECHNICAL MANUAL

HANDBOOK ON THE BRITISH ARMY
WITH SUPPLEMENTS ON THE
ROYAL AIR FORCE AND
CIVILIAN DEFENSE ORGANIZATIONS

September 30, 1942



CONFIDENTIAL

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TECHNICAL MANUAL

HANDBOOK ON THE BRITISH ARMY
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CIVILIAN DEFENSE ORGANIZATIONS



UNITED STATES GOVERNMENT PENTENG OFFICE WASHINGTON : IN



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Royal Navy officers' sleeve and shouldre-strep materia. Areas held-service case and cap backers... RAF officers' sleeve sangara. - I follows you BAF cape and backers....

Army collected spen's ineignin and BAF streen's underen Service ribbons

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Chapter 1

INTRODUCTION



.

 Purpose.—The object of this handbook is to formsh a simple guide for the U S soldier cooperating with the British
 Arrangement and scope.—Within the heutations imposed by

excursionments was recognitive to minimize their imposed by executing and use, the hardholds shares, an order, the relations between the first their strength army and Government, the measurements of the various strength and was of the getting-in-parameter of the various strength and was one of the getting-in-parameter of the various strength on portraining to the first Information on make, uniforms, to approximate the properties of the prop

8. Difficulties of remainschape. \sim Remiller words we'd in arlimitar sense by the fitted may of times becoming. Difference in both terminology and messing are habitated interaction in the text, but to both terminology and messing are habitated interactions of the text of both terminology as a surprise of the sense is the sense of the sense of the sense of the sense of the sense is a resolution of united of the sense of the sense of the sense of a tempt of the sense of the sense of the sense of the sense of a tempt of the sense of the sense of the sense of the sense is a resolution of the sense of the sense of the sense of the sense is a sense of the sense of the sense of the sense of the sense is a sense of the sense of the sense of the sense of the sense is a sense of the sense of the sense of the sense of the sense is a sense of the sense of the

The term "regiment" as used by the British may have several meanings.

(1) "Regiment" is used to designate a combetant arm such as the

Royal Regiment of Artiflery. "Nee pars 20s and 28s." (2) Mechanized cavality includes such mains as the armoured car regiments and the vastors tank regiments of the Royal Armoured Cheru free nears 27s and 1676). An artiflery "regiment" indicates an

WANDSHOOK ON THE BESTISE ABOUT weapons, but the number varies according to the type (field, medium,

ann-alegraft, anti-tank, etc.—see par 284). (3) "Respond" may be used to designate a newest assuming too for a number of sufantry battalions. For example, The Royal Sussex, Recomment (see par. 1670) might include any number of infantry but-

talions which have nother teamed nor fought together but which have a hustoric name in common (see par 20). (4) On company in order to obtain brevity, a bettaken of the Royal

Took Recognit (R Tenks) may be referred to, for example, as 6 R Toples 6, c., the 6th Battalien of the Royal Tank Replacent see para 37a and 168e).

d. In treduced commitmations the British term "brigade" indicates an conseination reputally requirement to a U. S. reinforced regiment (see per, 25 and Se, 107), and British "battery" indicates an artiflery unit which is comparable in size to a U. S. field artiflecy bettsilion rather

there a U. S. hottery (see nov. 28c). e. In where of their extensive use by the British, abbreviations have been fragmently indirected theourhout the text. For various extensives A Shada Allanguage between American spelling and British spelling should came no difficulty (see par. 174). Except for the U. S. terms

in recoverable 171 and 172 (and occasionally electric). Section spelling must be followed in the case of a few military terms which sprang met to British references and onless such as "antiarcroft," "anti-tank," "at mour," "armoured," "defence," "counterbettery," etc. On its first (and sometimes letter) use any British term that may present confusion is usually followed in the rest by the equivalent U. S. term in parentheses. The terms "petrol" and "meoline," as well as "wireless" and "radio" and other name of sourvalents, are frequently used interchangeably.

4. Revisions and supplements.—a Revisions.—All errors or supcosted changes and additions should be reported to the Dissemination Broneli of the Military Intelligence Service, War Department, Washington, D. C. b. Supplements.-Brief ducussions of the Royal Air Force and

civilian defruce organizations have been included because of the close relation between these organizations and the British Army. Further supplements may be added from time to time.

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Chapter 2

Brilloh Erreite.
Unstel Kingloss
Hennes of Puthanest
Coloiset
Prov Outeful.

dominume, orderine, the Indian Simpler, particle colors, and handline. A Dominiant—Dominum Carried, Anterila, New Zachala, and South Africa) are autonomous Circuids, Anterila, New Zachala, and South Africa) are autonomous communicates within the British Basparantian of their dismostic or external affairs. No found whitein for beginning thinks the dominiums to the United Kingdom (per 6) and these virtual balles in Communication of the Communicatio

b. Crécofes.—Colonies are territories in a state of dependency toward the United Kupdom. This dependence varies according to the degree of social devrlopment of the colony. The mere advanced, such as Cerlon, cropy then own local logislations.

such as Ceylon, copys their own local Englisharors, a subscientist in itself, a later Sprinter.—The Information Engine, a subscientist in itself, stands in a separate exagony. Its constitution is in precess of transmission forward a Selectal system of government comparing both Battoh Indian district and the Native Staties, the lattice of which we minimisted by the left own robots. I helical eventual stury in to the combination of the control of combined states of the control of combined states of the control of the control of combined states of the control of the control of combined states of the control of the co

d. Pretentiates.—Protectorities, such as Zanzibar, for the most past retain their own native or titud raken, but relations with fereign states are conducted by the British Government, which is also responsible for their protection. e Mondates - Mandates, such as Polestine, are territories for-

marky belonging to enemy countries in the First World Way submitted to Best of treatment ander the Coverant of the Leaves of Nations. 6. United Kingdom .- a. The United Kingdom consists of Great Britain (England and Wales, and Scotland), Northern Ireland, the Channel Islands, and the Isle of Man (lie. 1). The latter three have

their own learnest are been been treed nurseses.

A. The United Kanedom is a pereliminal or limited wave-should that is, a Parliamentary democracy in which the King "release but does not rule." The King is the level head of the state and bodies the unity of the ration. He can exercise the savid perceptive in a wide variety of ways, and all acts of Parliament require his assent. Yet in mactice be performs no official act without the advanof one of his Alimeters. Parliament study is opened with a speech by

from the majority perty in Paulisment in percetime or from several parties as in the present wartime coalition 7. Houses of Parliament.—The Houses of Parliament, consisting of the House of Lords and the House of Commons, comprise the supreme knymaking body of the realer

a. Horse of Consessed - Members of the House of Commons (MP's) are elected by universal adult franchise. The life of an ordinary Parliament may be 5 years, but the present wastime Parliament has extended its duration by majority vote in onler to avoid interruntion of the was effort. Any voter may offer himself as a candidate for shorten in any constituency in the country, no matter where his ordinary residence may be, provided by receives the required number of required and pays a deposit of \$600, which is subsect to feefest if he fails to obtain one-righth of the total votes polled. Most members of the House of Commons are elected on a nexty program. In the present House of Commons the Conservative Party has the largest representation; they come the Labour Party and the Laboral Party. Other parties with small representation are the Independent

Labour and the Communist. h. Howe of Lords. The House of Lords consists of neers who have a hereditary or official right to attend, together with remons mixed to the necessity recognition of their soldie services. The Archichens Lords. The main function of the House of Lords today is to act as a check on legislation; it cannot initiate legislation, but it can delay, or recommend arrandments to, any bill except one that authorizes taxation or expenditure. If, however, the House of Commons names a bill for the third time is mits of its rejection by the House of Lords, the better court accounts, and the hill becomes low when the Kune's assent is given. In principle the King may veto legislation, but the absolute. We the receives one also one 162 h

right her not been med for so many years that it may be said to be 8. Cabinet. - a. The simplest description of the Cabinet is that it by being between the hambeting and proposition of the Catholica in this is

two Houses. The Cubinet must derive support from a majority in the House of Commons and its resorbers, except a law there is a confision or national emporational are disaster from the productional nests in A The forestions of Cablest Microston correspond closely to those

of the sycretaries of the executive departments of the United States Generations. In parmal times each Minister except the Prope Minutes is in sharm of some department of novemment, but in the present Cabinet there are several members who have been freed of departmental duties in order to devote greater time to the designer of the way e. The Coherest depends for its tenure on the support of the majority.

of the House of Commons. If that support is withdrawn, either on a vote of confidence or on the rejection of amour lexislation, the Prime When the and the Cabinet are bound by customs though only by customs to resign. In practice, however, it would be impossible for any Cabinet wheelt larked the confidence of the Commons to continue lone in office. since promused braidstion could be rejected by the House of Commons. which also controls the purse strings of government. Historically and in name the Cabinet is the weeking committee of congression; in fact its members are appointed by the King on the Prime Munister's recommendation.

d. All assigns of the Cabinet are secret. Theoretically, no differences of contract can exist within it, and externally zone do crist. It stands or falls or a unit.

e. At the present time there exists an inner War Cabinet convicting of seven members, melading the Prime Minister.

9 Prive Council ... The Prove Council and of which the Column histografic mean in a healty of advisors to the Kinn which sauctions note of povernment that are not within the province of Parliament. Its size is not limited. Under special wartime legislation certain energoner nowers are conferred upon the Privy Council. The King may issue Orders in Council through the Cabinet acting as a committee of the

Prive Cornell and Parliamentary sanction acod not be required for such Onlers

10 Conduct of war -o. The three Cabinet members who are most directly engaceted with naval, military, and air-force matters are the First Lord of the Admiralty, the Secretary of State for Was-

and the Secretary of State for Air. A. In addition, the recount Cabinat includes a Minister of State to converte reprinction a Minister of States, and a Minister of Airon the Department of Physics of Minister were holds the postlette of

Minister of Defense a. The Committee of Imperial Defense, which includes the Prime Mississe announced Calend Ministers and the Chiefe of Stoff. determines questions affecting the general strategic defense of the Deltah Paralas though the descriptors reporally provide for the defense of their own territories and adjacent waters. This committee coordinates the work of the Royal Navy, the Army, and the Royal

Are Force

Chapter 3

ORGANIZATION					Peace
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Section I

SUPREME COMMAN

| 11 | Artin Crossel | 12 | Artin Crossel | 18 | Ar

 General.—The animal forces of the nation—the Royal Navy, the Army, and the Royal An Force—function under separate Manatries: namely, the Administry, the War Office, and the Air Ministry. Those Municipies are coordinated by the Was Cabract.

There Murmiries are coordinated by the Wes Colorus, 12 Army Council.—The Army is directly under the corressant of the Army Council.—The Army is directly under the corressant of the Army Council. The sensor military assumber is the Chief of their langerial General Staff.—All orders are Sucred with remare of the Army Council, not by the Sacretary of State for Warr, who is, however, indivisionly resonantials to the War Colorus for the tensions of the Army State December 1997.

18. War Office, "Under the direction of the Auny Council with War Office, the organization of which (fig. 2) is fundamentally similar to that of the War Department of the United States."
14. General Staff.—a The Department of the Chief of the

14. General Staff.—c The Department of the Chief of the Importal General Staff is divided into the following directorates: "The U.S. "was department itself was safed "Was offer from its bondation in 1717 and 1780with order to life term. TW 20-410 HANDROOK ON THE BRATISH ARMY

(i) Directorate of Military Operations (2) Directorate of Military Intelligence.

(2) Directorate of Skenels (4) Directorate of Staff Design

10. Directors of Military Projectors

(6) Directorate of Wenners and Vehicles. (7) Directorate of Amounted Fighture Vehicles.

(6) Desertors to of Resul Audlers (9) Directorate of Air.

(10) Discotorate of the Home Goard and Territorial Army. (11) Directorate of Avoniron Linksen and Munitions The Directorate of Auti-August and Coast Defence has been shotshed.

and its functions have been taken over mainly by the Directorate of Royal Artiflery. The Directorate of Air handles for the Was Office. the medition of conference forces and singround conservation. The Directorate of Stoff Doties in responsible through the War Reichlich. ments Consulted for the preparation of the War Retablishments of all British Army units and formations. The War Forablishments in the Best of courses are the constructed of the Tables of Organization - the U.S. Army. The Way Farablishment of a farmation or of a unit changes from time to time according to the extensional threspy or

A The Department of the Chief of the Imperul General Stell is to the design of the control of the imperior condition in training historical research and military intelligence) and with condinature the activities of the other staff departments. c. The Department of the Adjustant-General to the Forces as con-

comed with personnel, which includes recruiting, organization, admin-

istration, military discipline, and medical services. In second, etc. functions are a combination of those of G-1. The Adjutant General, The Surgeon General, and The Judge Advocate General in the U.S. Army. d. The Department of the Quanter-Master-General is concerned with quartering the Army, with road, milway, and sea transport, with construction and maintenance of buildings and for tifications, with supply of food, forage, and fact, and with remount and veterinary service. In general, as functions include these of G-4 and some of

those of The Quartermester General and the Chief of Essencess in the U. S. Army. c. The Department of the Director-General of Army Remainments is concerned with formulating Army material requirements and trans-

mitting them to and coordinating them with the Ministry of Supply



15. Permanent Under-Secretary of State for War. "The Department of the Pennscent Under-Secretary of State for War is changed with the conduct of Wan Office business, neighting all finance and necessaring, and with administration of the Reyal Auny Chaplesses' Department and the Reyal Auny Pay Cope. This conservative civilina department, because of its powers of vice in Sinancial matrixe, has great influence in the War Office even in time of war.

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HANDSOOK ON THE PERSON ASSESSED.

Section W

DICHER ORGANIZATIONS

16. General .- a. At the declaration of war on Scotember 3, 1010.

the British Array consisted of the Regular Array, the Territorual Array the Depth of the National Guard in the United States), and several reserve forces. Sum thereafter sik elements were consolidated into a single "British Army" and, exernt for certain legal differences. the distinctions between these several elements have now varished.

A. In general, the British Army consists of the Home Forces, the Anti-Agreeft Commend, the British Forces in the Middle East, the British Forces in India, and a considerable number of scuttered conmands throughout the world. These deports are all componed

directly from the War Office. 17. Home Forces. o The Home Forces, with its own Commandended had I and its own GBO, comprises all field forces located in the United Kingdom. It is reasonable for the defence of the Bertich Islen, and it consists of all come, divisions, and senarate units assured

to defend Great Brytoin against invocion t. The Home Guard, which is within the Home Forces, was orcontrol heatily in May 1940 as the Lord Deferes Volunteers. It consists of volunteer unpaid, part-time troops formed into much for the local defence of communities, airfields, and communications, and

for owneral observation purposes. Its members, who are requirely encolled in the cofficery forces and would come to full-time duty in case of myssion, are engaged with rifles and with some putomotic weapone, auti-tenk rifles, grenniles, submarbine curs, etc. The Home Guard has little transportation and can be depended upon only for local defence purposes. (See also pur. 198.) 18. Cores and army, The occanization of the corps and the field

army is similar to that in the U.S. Army, each consisting of a headquariets, certain organic troops, and a variable number of divisions and corps, respectively, as determined by the Wor Office. (For the complexion of the corne staff, see for 3)

A Force in Vactors Isrinol which we communically the Great Office Communical (SOCS).



				men
General				19
Arms of the Service				20
19. Generale For	administrative	purposes	the United	UK

does as devoked into six military commands and two military districts (for 4) Commands are arbitraled into areas. Northern Indeed and Landon are the two districts, the commencia are as follows: (4) Eastern

(6) Scottish (3) Northern 4. The chem of command for operational (tactical) matters is from GHO. Home Forces, through corresponds to factived cours. Aleas are operationally under come. In the event of operations taking place in the United Kirozlom, commands become beadquarters of armies

e. In administrative matters the chain of commond is from the War Office to commands, then direct to both corns and areas. The area. as has been stated above, comes under the corns only operationally.

d A district functions in the name manner as a command A concern reference in the same manner as a community.
 The community are in charge of cours communities, where exaller one similar to corps staffs on an enlarged scale

20. Arms of the Service. All bearshes, taken collectively one selled the "Arms of the Service". The combatant brenches on collect O'The Arms" the administration branches "The Services"

a The Arms: Carehy (Car).5 Boyal Armouned Coms (RAC) !

Boyal Repropert of Artiflery (RA) Corns of Royal Engineers (RE) Royal Couns of Surnols (R Stra)

Recognissone Come (Recog Come) 5

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BLANDSOOK ON THE BESTERN MENT



h The Services:

Royal Army Chaplains' Department (RAChD), Royal Army Service Corps (RASC) Royal Army Medical Corps (RAMC)

Royal Army Ordanac Corps (RAOC).

Royal Electrical and Mechanical Engineers (REME).

Royal Electrical and Mechanical Engine Royal Army Pay Corps (RAPC). Army Educational Corps (RAVC).

Army Educational Corps (ARC)
The Army Dental Corps (AD Corps)
Pioneer Corps (P Corps)

Intelligence Corps (IC)
Army Catering Corps (ACC).

Army Physical Training Corps (APTC) Corps of Military Police (CMP). Military Provost Staff Corps (MPSC).

Queen Aleansiru's Imperial Malitary Nursing Service (QAIMNS)

Auxiliary Territorial Service (ATS).
Officers' Training Corps (OTC)

SECTION

 TACTICAL STAFFS

 Division and brigade risks
 22

 Infantry and other battalasm
 22

21. Division and brigade staffs.—For the purpose of illustrating staff other, two representative staffs are specified in detail. (On the function of the "O", "A", and "O", Sealifs, see p 20%, notes 3–5, on the grades and ranks of certain staff officers, see p. 20%, note 7.).
4. Injury districts staff ((ii), b)—(1). Daties and offsee segmination and (ii) Sealifs. (Sealifs, iii) Colored Staff, Officer, Oracle 1.—GSO 1 (Chief of the colored Staff offsee).

tion—(a) 680 1—General Stuff Officer, Grade 1.—CSO 1 (Cloud of Staff) is responsible for— I. Policy so directed by the General Officer Communiting (GGC), brighting policy for training.

A. Coordination and general supervision of all work of divisional Hq.

readly bown as the Antifery Stickery Figures Corps (AMFC).

In white, of the Intelligence Corps my delethers it throughout the Ledour Internation of the Antiferral Resident Corps in delethers it throughout the Ledour Internation of the Antiferral Resident Corps in the Corps in

TW 30-410

(b) GSO 2-General Start Officer, Grade 2.-GSO 2 is responsible

L. Orders and instructions as ordered by GSO 1.

Chemistron and working of "G" (Operations and Intel-

liwace) office.

5. Detail of duty officers at Ho. 4. Control and interviewing of linkers officers at divisional Ho. 5. Approximents with the Officer Communities Divisional Signals (OC Div Sign), and the Camp Commandant

(officer responsible for local administration of Ha on a whole) for moves of divisional Ho. 6. Moves by soul; he is assisted by DAOMG (December

Assistant-Quarter-Master-General) for movement (march) tables (see par. 131 and fig. 116). (c) GSO 5 (O)—Graeral Staff Officer, Grade 5 (Operations) —GSO 3

us the understoody to GSO 2 and is suppossible for-J. Operations as directed by GSO 1 or GSO 2.

2. Moves by road (as allotted by GSO 2).

S. Distribution of rosps. Distribution of tasps,
 Semerrison of "G" desfirmen, who make tabulations charts.

and sketch mane A. Location statement (each evenine).

6. Circulation of attention reports

7. Semantistan of the admonkelment moletus to resolut dasser

9. "G" war dierr.

10 Detailed orders for move of "O" Group (Operations Gerun) (d) GSO 5 (I)—General Staff Officer, Goale 5 (Intelligence),—GSO 3 (D) is remonable for-

J. Communition of all intellurance work in the divisional area. 2. Situation man.

3. Divisional communder's battle man-4. Divisional miellumner summunes.

4. Deductions from information received. 6. Configuration of appearable information

7. Renerting to GOC on requests for humber support by herrodes! 8. Liston with the Air Intelligence Lasinon Officer (AILO) on operational matters.

*The authorities is been as Arter Art Resource Council (AARC).

- 9 Ordering and intermediation of sir whotopy-she
- or the of the property of the photographs 11 Maintenance of diary showing identifications, enemy sorter
 - of battle, and now other persons stoms fless enemy conflore information, which is the duty of the Intellicance Officer, Royal Artiflery (IORA))
 - 12. Approprients for preliminary examination of prisoners and desectors (corried out by 10 (Intelligence Officer)).
 - 13. Linison with JORA. 14 Report of enemy identifications to higher authority.
- (c) GNO 3 (CW) Granul Steff Officer, Grade 5 (Chemical Warfare) -GSO 3 (CW) is responsible for
 - I. Advice on chemical warfare, including, when necessary, a CW appreciation of the situation. 2 Anti-eas trainance
 - S Study of the drysponal area is order to areas the probable dangers from enemy use of gas.
 - 4 Cherneyl warlary intelligence in confunction with the mieltigence staff.
 - & Examination of specimens of technical interest in conignetion with anti-ens mobile biscentory.
 - 6. Metasophorical arrangements for chemical warfare. 7. Chemical warfare man.
- (f) 10-Latelliarnes Officer Has duties are similar to those of GSO 2 (I) and he is remonable to him. These two officers are ratershanneshle and one is always at divisional Ho. In principle, the Intelligence Officer and his staff are primarily concerned with the the keeping of records. GSO 3 (I) is primarily concerned with meur-
- ing that steps are taken to obtain information and that proper use is made of information obtained. (a) MCLO's-S Motor Confact Linites Officers.—These officers are charged with basen with infantry brigades (beingles are equivshort to U.S. recoments), flank formations, units on each flank, and corns Ho. They keep in constant touch with again offices (message
- (h) Cipher Officer. These offices, who is responsible to OC Div Sign for all matters other than technical cipies duties, conducts the cipher

DOOR ON THE BUTTON AND

to 4.4 & Olfo Assistant Adjutest and Ownster-Master-Gen-(1) AA is gare assumer appear and quarrant according to the control of the contro

constitution of the work of the services. He is in close touch with the "G" Staff. (i) DAAG—Drawby Assistant-Adjustrat-Graved—DAAG is re-

I. Reinforcements.

8. Medical services (with the Assistant Director of Maderal

Services (ADMS)) S. Speritual welfage (week the beniew Chembers)

d. Graves.

5. Pay. 6. Personnel services, metaline dissipline (with the Denote-Assertant-Provest-Marshel (DAPM)), leave and min-

opers of war 7. "A" "O" war dory.

8 Discipline (courts-mestleD) S Morale.

16 Traffic control with DAPM

(b) DAOMG—Drawby Assistant-One-ter-Manter-Gravat —DAOMG is responsible for-I. Supplies, petrol (gasoline), oil, and lubricants (POL), and

ammunition (with the Commander, Boyal Army Service Corps (CRASCI) # Onlygones on years death the Asseture Department On January

Services (ADOS)). 5. Detailed quartering of troops in consultation with the "G" Staff

4 Moves by road (with GSO 2). 6. Mores other than by road

(f) ADC-Aide-de-Comp - ADC has the following duties: 1. The personal comfort of the division commander. 2. When the division commandes wishes, he acts as his stell

2. On return from visits to troops he makes certain that the Samelmoster (officer in charge of the sizual office)

knows the latest locations of the troops he has vinted. 4 Assistant to the Comp Commendant in less duties (e. c., he may not an Camp Commandant for advanced He-

ORGANIZATION

(a) Celering Advisor.—The Catering Advisor is responsible for— J. Advising unit commanders on all matters concerning food preservation, cooking, preparation of dieta, and dietotic

 Arranging the relief or transfer of Army Catering Corps (ACC) personnel throughout various units of the division (cooks of all units being ACC personnel but under

som (cooks of all units being ACC personnel but under the command of the unit to which they are attached) 5. Training ACC personnel in their specialist dottes within

tae circusen

(a) Chief Clerks, "A" and "G" (RSM—Regimental Sergeant-Major *
(warrant officer, data I) and CSM—Company Sergeant-Major (warrant officer, clare II)).—These clerks are responsible for—

I Organization and supervision of derical duties in their offices.

E Checking, correct assembly, numbering, and dispatch of

orders, messages, etc.

5. Detailing elerk to keep a record of "in" and "out" messages.

4. Insuring that relacts are carried out so that clerks out meals.

 Insuring that reliefs are carried out so that clerks get use and rest.
 The schnowledgment register (see (e)7, above).

(2) General segmination—See figure 5, paragraph 24, and figure 7. On the inclusion of a tank brigade in the (infanty) division, see paragraph 265. For the amoured division with see paragraph 266.

Infanty brigate stepf (fig. 6)—(1) Dution and office segmi-

b. Infantry bright stuff (fig. 6)—(1) Dubtic and office segmentarism—(a) BM—Brighet Major (Executive and S-5)—The Bugget Major is responsible for—
1. All the shiff work at bright Hq (fir can allocate this work, white to bit commander's monoval, so be billed (b).

3 Initiation of plans, subject to the commonder's orders

\$ Preparing and issuing operational orders and instructions.

 Treasurission of information to dramonal Hq and to neighboring troops.
 Treasurisation
 Treasurisation
 Treasurisation

6 Reports
7. Reports on offices.
8 Honors and swards.
(b) Rh 10—Reports Intelligence Office (S-5)—For full details of

(b) Bite IO—Bropole Intelligence Officer (S-2) —For full details of the responsibilities of Bde IO (se BIO), see paragraph 197.

(a) MCTO's ... 3 Motor Contact Linkson Officers ... These officers are

responded for Brison with hartellion fleak muts, and divigenal Ho. Their define to connection with sixtal offices (message centers) are the serve as on the infents y division stuff. (See a(1)(a), above) (A) Bite Sim. Briggle Stoud Officer (Communication Officer).-

f. Command, advolustration, and technical efficiency of the Laterala olonol certical # His toon of duty at beimule He as an offers of the brimds

Hote S. Advice on signal matters, reperially with reference to the interest to regard authors, represent of one otion online

/ Tielien with BM and Bds IO to obtain adequate information

5. Reporting to BM any failure in signal communications. or delays in the transmission of necessaries

6. Advice to buttellon commanders on their own simul comprovide the said consequence with best plans signal officers, including all possible assistance to them.

W. Pitter and have dealers and proceed assessment of Marieles and wareless (radio) sets. Royal Air Force wireless tender (for tactical recommendate) and wireless set (Arror) for

8. Administration of attached details of other signal units and RAF personnel at brirede Hu.

9. First-line transits to signaline equipment of hettahous. (c) SC -Stoff Crutein (S-1 and S-1),-This officer is remonstble

f. Personnel. 2. Casualties

5. Spiritual welfare. 4. Descipling.

6. Prisoners of war. 7. Police 8. Routine duties.

11. Supplier (includere food), petrol, ammunition, water, environens, elothung, etc.

 Preparation of administrative paragraph of operation orders

15. Traffic control.

14. Recommissance of sites for brigode Hq—and silotment.

 Control of transport criving at higgsde Hq
 Control of transport criving at higgsde Hq
 Cuptains, RASC—Repal Army Service Corps (8-4) — Thus officer has the following duties (with the Staff Captain):

1 Represents CRASC at brigade Hq. 2. Advises on RASC questions,

Advises on RASC questions,
 Maintains present bitsee with units to insure smooth working of RASC services.

working of RASC severes.

4. Assists the Staff Captain in all matters relating to RASC supplies (including food)

5. Encounts requirements of noticel and oil and stron early

warning of any abnormal demand (g) Bde TO—Brigade Transport Officer.—This offices is responsible for—

Command of "B" echelon (rear echelon of first-line transport), including "B" echelon transport units when beigneds (that is, when sub-units of arrassight as smillery and enginees are under the command of the beigned; (20 "B" echelon are not first 107 and 115.)

Defence of "B" schriet area.
 Mechanical transport.

4. Use of petrol.

5. Recommissance of site for "B" echelon.

(b) Chaf Clark (SCM-Stoff Scargest). The chaf chek is charged.

orders, messages, etc.

S. Insuring that inseming orders, messages, etc., are at once passed to the officer concerned, and that they are subsequently seen, or necessary, by other officers and fiftee.

(this duty may be allotted to Bde IO).

4. Insuring that all waste paper, carbons, etc., are burned

5. Insuring that reliefs are carried out so that clerks get meal-

and rest

(i) OME—Ordnavc Mechanical Engineer (narrant after class I),

RMOC (Boust Army Ordnave Carps) (8-4).—This warrant office has
the following dutter (made the Staff Contola):

1. Represents ADOS (Assistant-Director of Ordnance Services)

mar no 410 9. Advises on RAOC mostions.

01.00 MANAGER OF STREET PROPERTY ASSESSED.

2. Assists the Stoff Contain in all matters relating to optrance (i) Brigade COMS (Consony Quarter-Master Sermant) -- COMS

is charged with-1. Assisting the Staff Captain.

2. Drawing and accounting for configurant and stores.

5. Accounting for and repair of brigade Ha property.

4 Interior seementy and discosing of OR's other ranks

4. Messing of OR's (including Sign); an apping special meals. haveneed various, etc.; informing personnel when mosts

are tendy and keeping meals for, or sending ten, etc., in. those unable to attend, making special neint of margine that all concerned, melading visiting personnel age

meals. 6. Ordering rations, etc. 7. Pay rolls

(k) Brigger Transport Sympost .- This percent is charged with-4. Assisting the Brigade Transport Officer 2. Drawing and accounting of matoridenessort (MT) vehicles

5. Mentenance of MT. 4 Petrol

(2) General seamination.—See figure 6, paragraph 25, and figure 8 98 Infunter and other buttallons ... The cheered of conscious and administrative command passes from the commanding officer (usually a lieutenant-colone) of the year by year of the Adiptant to the remainder of the unit. Officers of subordinate units was advise the commanding officer on specific subjects, but normally they have no passer outside their own muts. A major is second-in-command The Adjutant (a coptain) is the exceptive of the commanding officer All correspondence, requests for interviews, and the like are directed to kim, and he deals with all subjects, passing on to the commonline officer all those which me of sufficient importance to domand the



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Smorrow V

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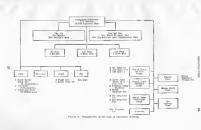
28. General. The infantry of the British Army is oversized rate 5 Foot Guesda Borizontia (The Brimsle of Guerla) and 64 regiments hoor considerable respond (no nor 1674 and a). An infanter respfirms of peace most regiments consisted of two Regular Army hattalions and from two to five Territorial battabons. The regular battakora have almost herry served together, but they have regimental training density in common. In time of war newly semajord buttalions are assumed by War Establishments to a regiment, progrally according to recognifical solutio. Thus a resiment may have an michigate number of hattabons; during the First World War this number was sometimes as high as 60. The infantry hattalion is the have combat unit. Infantey battalions are posited to beimdes for operational purposes without record to recimental unity. Theresee operational purposes without regain to regimental unity. There are five overeal types of hottalinns; namely, side hattalian, muchinenon hettalion motor battalion metorical battalion (see mianty hottalion carried in Royal Army Service Corns transport), and divisional reconnaissance regiment (hattabon) (see par. 26c).

amonal recombatomer regiment (actatation) of e.g., start, "To continue of 29. Devision, — the Crip red (infection) infection, probability of the continue of the continue of 29. Devision for the continue of 20. Devision for the continue regiment distribution); and sagnal, flexil advisor development of 20. Devision for the continue regiment distribution); and sagnal, flexyl advisor development of 20. Devision for the continue of 20. Devision for continue of 20. Devis

 Certain divisions, as above, set up for special purposes have organizations that very from the standard infantry division of three infantry brigodes.

infantly highes.

c. In case, those and occasionally in corps troops there are a number of troop-current community of the Royal Amer Severe



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Corps. Each company is capable of carrying one mantry brigade. These RASC companies are not divisional troops in any way

20. Brigades.—a. Injustry levyade.—The accompanying organizational table (ii), 81 shows the precess organization of the definity height, which corresponds reagily to the infantry regiment in the U. 8. Army. The infantry brigade is the basic until of the combat team. The brigade has attached to it for combat a defence photon of 38 may, 1 anni-tank battery, 1 light non-energeth Battery, a companying the com

models ordered and motor repair used—light and detachment (LAD) and a signal unit.

In This bejuste—The inclusion of an (army) tank brigade in the organization of the (infantry) division does not mean that the army tank brigade will not secret unitational. See temperation 20 and



Attached to the Entertry Rogade or Combar

A 160 Biglio 1 199440 S. Medicine 1 160 Medicine 2 1 Medi

| Description |

organisation is based on the Bren calibre 300 light markins gun. This battabon has motorized transport and a war strength of 33 officers and 753 cultated men." The battakon consists of a headquarters, a baselquarters company, and 4 fife companies. The baselquarters company as compared of a handquarters, asquard jestions, a marter jestions with six 3-such meetras, each in a carner, an anterior jestion with six 3-such meetras, resh in a carner, and the six of a constraint light modelling mass and 4 cabler; to a anti-tank ritler, a carrier julation with 1.3 Bern meelmen carriers, a poincer pianous, and an administrature jestion Λ often outputs of the six o

i califer .56 anti-

A Melinopea Intuition (Eq. 10)—The machine pure Intuition, which is it person imaged to copy to prope in tasks of the children of the control of the cont

related. This hattelies, with a strength of 36 officers and 774 collision one, has made greater for power than any other in the British Army.

A Metricité Annélise—The notionard battalian, formetry is expected to the support group of the armoured drivinion, new forms the infinistry component of the infinistry brigade in the armoured drivinion (see par. 364(2)). His organization is exactly the some as that of a ritle battalion (fig. 9), but it is carried in moder temporar.

son (120 Jb.) and it is extracted in defect the selective.

[11] In the represent is senigrant to each industry developer. Be consistent of a benefit experience, and the experience of a benefit experience, and 2 separations, each of which is composed of a benefit experience, a second temperature, and assembly the experience of the exp

Secretary VI

PARACITUTE TROOPS

Organistics and concerns

27. Organization and equipment. o. Graved Paratroops or neurchate traces (fig., 12, 13, and 14), are propured from all benefits of the Army and retain the uniforms, insignin, and organizational name of their recent correlation. The British Parachute Wing in organized into bettahous." These battalions consist of a battalion



headquaters, a headquarters company, and 3 or 4 ritle companies, each organized into 3 platoons. The platoon is divided into sections, each section consuting of a sergount, a consonal, and 8 other men. This section of 10 men is considered as a "dropping" unit, that is, the largest group that can normally be dropped from 1 arriane. The armament includes 3-meh morters in the morter plateon of headquarters company, and light machine guns, submachine guns, rifes. 5 These belieferes have been feetend one branches, which are encoperate of the e

and pistols in the rifle companies. The parachute school at which the men are trained is a separate organization from the Parachute



b. Equipment.—When jumping, the narachutist wears or conse-(1) Holman

(4) Knos rada (ontional) (5) Athletic supporter. (6) Please and a supporter.



(2) Juneaung boots.

(9) Two empty utility pourles carried buth on the sides near the chest fatter landing, the percelutest uses there for carrying amouminion which he seeme, from contourers that have been demond. (10) Sites proclams eaching ? (for those people tuts armed with the the other. When about 100 feet from the ground, the paraclestical, in order to lesson his wright and speed a nuck release on kinding, pulls a

ORGANIKATION

quick-referse attachment and the gun and ammunition drop about 20 feet to the god of a greatly one which is attached to the provident.

(11) Two grenades—one in each pocket of trousers.

(12) Map, wire cutters, etc., in porkets.
(13) One or two laveractic worm on the thigh—one centains trade for smoon existence of will be for 1 or 2 days the other

Existe, Ioik, spoon, eastern, and rations for 1 or 2 days; the other contains additional rations and a purelso.
c. Special equipment.—Signal personnel carry radio sets when they jump. Depending on the massion, other special equipment.—

SECTION VII ROYAL REGIMENT OF ARTILLERY

General		25
Field regiment		- 25
Medzan reument		24
Anti-nirecast and apri-tank		- 20
Adjustment of five		- 80
Commerciant		20
Maneurer,		. 8

Adjustinate of the 20 Centerioration of the 30 Centerioration 30 Magnetics 30 Magne

reagnated is simular to a coops, but which retains the none "regiment" for traditional reasons." Including Royal Hersa Ardiffery (BHA) and all other types of orditry, at a classified by type as follows, (1) Field (Fi)—Divisional artillary—25-pounder (3 45-inch; 88-mm) gun-bowsteer.

(2) Rosal Herse Artillery (BHA).—Motorized and in amounted

divisions (25-poundes).

(3) Moffam (Med).—4.5-inch gen; 5.5-inch gew-bowitzer; 6-inch howitzer (obsolescent)

howitzer (obsolescent)

(4) Heavy (Hy) —4-inch gun; 7 2-inch howitzer; 9.2-inch howitzer.
(5) Supyr-draw —9 2-inch gun and all greater cellibres

(5) Super-bony — 9.2-inch pun and all greater collibers
(6) Special equipment
(c) Arthoretic (A. Th) — 2-recorder (60-rem); Greander (67-rem)

17-pounder (3-trick) (3-2-trim) (b) Anti-surerult (AA) —20-mm Sten; 40-mm Bofors; 3.7-inch and 4-45-meh heavy AA guns.

HCC The Eners Sured Bells Copps and The Diffe Stelpole, such at which is a gooding so unhairy repment of the law. Also recovered time.

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HANDBOOK ON THE BRITTER

(e) Mountain (Mtn) -2.95-inch (75-mm) gan (nack): 3.7-inch A All autillary expect for sectain specialized units such as exact.

defence and mountain, is meterized

e British artillery unit designations are, in the main, different from those of the U.S. Army. For easy reference, they are tabulated below:

Florid States Regiment Regiment

Battaber Distant

d. Artillery is organized into-

(1) Tactical units (2) Tochescal fire units

The tactical unit contains more than one fire unit. Normally, this The incited unit contains more than one are that Normany, this time sent in the battery, which is fully continued to, and does, operate

independently 29. Field regiment -a. The field regiment (fig. 15) at the basic tagginal unit of Brotish sprillery \$ It is equipped with the 25-nounder (8.45-inch) gun-howitzer.

4 to is equipped with the production and it is real-course both the shadesent 18-nounder (3.3-mch) and the 4.5-inch hewiters

c The field regiment has the following ents-current and anti-tank

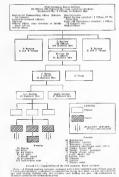
Anti-six craft light machine guns 4

Anti-tank rifles 1 Anti-success Eight machine guns have Motley mountings to enable them to be fired from vehicles on the move. Normally, however, the vehicle is bilted before the attacker is engaged. Anti-tank relies are d Assessation. The semantition narrant light machine genresument is 160 rounds per run (90 percent HE; 16 percent smoke), and machines 12 records new young solid armour piercing shot, which is earthed on the run tractors. Separate charges are carried for each round of ammunition except armour-parteries, and they include a round of ammunition except acrossis-partering, and they include a musikee of apperchance rounds. The normal distribution of assessment

Six tractors, 24 rounds each-144 rounds,

tion is an follows:

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mar 20 410 00.70 NAVEGOR OF THE PRINCE ABOVE

Total 400 wornls—160 younds not con-(2) In each battery extraorition group to Two 30-ewt trucks, 56 rounds each -- 112 rounds.

Two 3-ton ti neks. 184 rounds each = 368 rounds. Total, 489 sounds - 60 rounds per gon

c. Fance.-Types of fuzes employed are as follows:

(2) Fuze 119 Direct action, delayed. (3) Fuze 210. Clorkwork for high bursts (4) Fune 221 Time.

30. Modium regiment. - Favrécausst.-In Great Britain medism nutillery is a part of come artiflery, but with British troops

abroad it is included in the divisional sevenination. Medium artiflery is normally employed on counter-bettery work and on other missions where one can be made of its long range

A Grappicotion.—The prespiration of a medium response is amiles to that of a field regiment except that the former contains only two batteries. (The mornination of the field regiment is shown in for 15.5

a Argement-(1) The medium regiment in the infantry dynamic c. Assessment.—(1) The measure regiment in the manney division in armed with the 5.5 inch man howitzer on the old friends breeitzer. The maximum reace of the 6-meh houstner is 11 400 yards, and that of the 5-5-meh sun-heaviteer 16,600 vards.

(2) The medium reciments of come artiflery are armed with 6-inch Low term on the 4-5 meh one. The maximum represent the latter in 20 500 va do

d. Measurer and dealessment - The medium recoment is organized for monorous and deploys in the same way as the field resument. There is one arrespond observation next (OP) in each littlery.

Amountaine . The medium recoment carrier 160 counts of appropriation per gun, all HE, no smoke being fired by medium artiflery. The distribution is as fellows:

(1) On each own tractor (prime mover) -- Fifty rounds (2) In each bottern assumptifies group:

Fight 3-ton logries, 40 counds each = 320 counds. Two 3-ton louries, 40 rounds cach = 80 rounds Total, 400 rounds - 50 rounds not gun

ORCANIA ATTOO

f. Companiestions-Companiestions are similar to the light sufflery nets except that both traces are compared so that they can not independently. The alforment of wiveless acts is three to recimental bondousetors, three to each battory kendousetors, and you to each treep. There is, in addition, one set for each hattery providing wireignstelegraph (W/T) and redio-telephone (R/T) air-record com-

a. Survey party.—A survey party is included in regimental head-

A Anti-pircieft and anti-took resources.—The medium regiment has the following enti-present and apticion's resources:

Anti-exercit light machine gans 2

31. Anti-sircraft and anti-tank,-c. Each infentry division restests on organic light anti-circreft recurrent and an organic anti-tente

reserved. In combat, one light anti-singered bettery (I. S. battallee) and one anti-anti-battery (battahon) may be attached to the infeator brando. A The divisional light anti-surrest regiment is assert with 6ths

four 60-run Bolors AA grow and the distincted anti-tech recovered to armed with forty-wirld formunder sums for the 48 a necessary will eventually be 17-pounder). 89. Adjustment of fire - a Methods in order of restources (1) Forward stagger - British comion believes the best method of getting

field artiflery fire on a target is by a forward observer connected directly by telephone to the bettery. A forward observer with radio is used taken to the establishment of wire communications or when wires are out temporarily or permanently

(9) Air electrotion part (QP) -(a) The artiflory air QP is enione popularity. It is an unarmed strying equipped with radio-telephone, capable of landing on and taking off from a small space, and silved by an antiflary officer who also not an absorption. The electron constitution an elevated OP, fire being conducted from it in the same manner as fire from a mound OP. A second occupant of the simbon serves as lookout to worn the milet of the approach of energy spreads. The airolane excepts to 600 or 1,000 feet and does not fly out over the

(A) Occasionation of oir OP managed 1 artiffery officer (niles).

1 flight mechanic

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1 flight rigger. 1 motorcycle driver. (c) Matteid:

(e) Mattriel: 1 sirplane. 1 motorcycle.

motorcycle.
 track (1)-ten).
 The ground staff for repairs consists entirely of RAF personnel.
 One squadron of four flights of four air OP's each is attached to

each corps. Our of three flights is illusted to such division and corpes under the control of the divisional artillery commander. This provides one air OP to operate with each field regionarie of surflery in the division. One air OP is held in reserves for replacement or for lengthreging.

(3) May done secreted by "sector."—When maps are available and correct first in immersion of control of the order of the order.

observed from its imparation of remindrable, fiving in done by range data corrected by "suspection for remindrable, fiving in done by range data corrected by "suspection for individual data from high-feature ranging shorts, that in, replacations (conducted by aposition in sitis special configurated the finite-ranging history of the corps survey regiments), or from a heroalized number among this to be U.S. "marter message" likes r, below). The meteor obtained by high-burst ranging in the more accurate of the two.

Solid and into toward gradualistics.—The Bittis's use degree,

5. Sight and instrument grasheshost.—The Billion like digital manufas, and testis of immine motion of mills. All their eights and instruments are so graduated.
c. Clock code.—The benicontal clock code method of serial adjustment of fire is now used. Its advantage first in the fact that the charrow need not know the position of the firing battery; be made.

only the target and a map.

d. Griddel Johlym jelekspark.—In conjunction with nortal observation of first, these or floridated obligan pilotyregabs has proved very assessabil in identifying said incestile tempts, deepen be hearbelly constructed in identifying said incestile tempts, deepen be hearbelly observations of the confirmation of the confirma

e. Meteorological message.--- A "motor message" is called a "meteor e. Meteoroogiest message. — A "metro message" is called a "metcop

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Time of amon Long

(1) "Bur 2000" is the height of the herometer in inches, to two places of decimals, at mean sea level (MSL) -- here 30.60 meles (9) The first two flower in each 4-flows second on the time of flight

(8) The last two fermes in each 4-ferror moon give the six terrors. stare in degrees Entrophet (4) Each 5-figure mount eletes to the preceding group of four figures.

(b) The first two figures in each 5-figure group give the velocity of the equivalent constant wind in feet per second. To convert feet per second into rolles per hour, multiply by 3 and divide by 3. Thus 30 fact not accord assals 30 multiplied by 2 and divided by 3, or 20 miles

(6) The last three figures in each 5-figure group give in degrees the true bearing from which the wind is blowing.

(7) The groups always consist of the number of figures shown, 0's below restleed if resessors. These 00004 would remite a 2 feet nor second wind from a branng of 4".

and viental systems, are recovided for intracommunication between regimental beadquarters and betteries. The wireless largest depends on the number of sets available and on the number of frequencies allotted. The minimum number of sets required to make communication officeest in three for regimental beadquisters, three for battery

central. One were is tool from each trop OP to its Gran Position.

Officer (GPO). The gam positions are invited together by a "Nick Rice" date-all line), through there-owny switchers at the gam position. The battery command post is connected by a single wave to each trop gam possition. The only switchbeards are at the battery command.

post and regimental hendquarters.

5. The artillary is responsible fee its own communication from the hatray down. The regimental signal section, Royal Copps of Signals, which is attached to regimental beachquarters from the 2nd Company, Divisional Signals, and the communication from reforms to hatray, between batteries, and from the artillary to the intense; "See See 16, or submotific diament of field regimental signals.

case lag 16 for a scannate diagram of most regions assumcommunication sets have been issued, providing two-ray radiotelephone (M/T), as well as radio-to-byraph (W/T), communication. These are operated by RA personae², and will be the standard emground communications. Communication forces ground to the may

34. Maneuver.—s. Organization.—For tectical purposes, groups are formed as follows:

(1) Resignated communicate communicate communicate with such

personnal as he requires when he gree to obtain orders.

(2) Reconnessesses groups—Both regiment and battery personnal required for iconnessesses of regiment, bettery, and OP areas.

(3) Headquarters groups—Both regiment and battery personnal reconstant to man breakuristics and command mosts (CP)¹ and com-

necessary to man breefquarters and command posts (CP's), and conplete technical work and communications required before the guracan open fire. Battery beadquarters groups are divided into— (a) "O" party—for the OP area.

(b) "G" party—for the gen-position area.

(4) the group.—The gens and vehicles, and the personnel to work them.

(5) Amount for group.—Reserve amount tion and one gasoline.

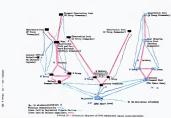
(a) Assaulariou group—necessive manimum uses one gassaud distribution trucks to each battery. These may be centralized not moved under orders of regimental headquarters.

(b) Headquarters group—MT (motor transport) stoves and technical mercancel of regimental headquarters and the atteched LAD

tiest personnel of regimental headquerters and the attached LAD Sight as detachment—motor maintenance section) normally move with the ammunition group under the regimental quartermater sergeant.

(2) "2" children—ha in any other with moving under solers of

regeneratal headquartees.





b. Deplayment.—(1) Reginerated leadersuctors.—Before Inoring for the plane where orders are to be itsend, the reginerated communities the plane where orders are to be itsend, the reginerated communities orders in neutrally sends book his econolisin-communities to opport on which is neutrally sends book his econolisin-communities to opport on the control of the control of the control of the control of which is without personal recommunities; approving the establishment of OPS. Regimental hendopulation is thus closed and communications are second with the during batteries.

(2) Barrence ... A battery can deploy to part of the reciprost of independently. In either case upond is usually important. As soon so the hattery commander receives his orders, he sends the Commond Post Officer (CPO) to the gun-position area, where the latter recognition the command nest and troop positions. "G" party is then called up and all revocations are made so that came can open five immediately upon arrival. Meanwhile the hattery commander has called the factors of "O" party and is unpercising the establishment and of OP's, and communications are being opened between the OP's and the sum positions. As soon as the sun positions are determined the hostery cantain avenues a track plan (eigenintian plan) and, with the Warne Line Officer (WLO), chooses the waven-line area (track mark). He then arrange for the anti-secret and anti-secret delegant of the own position and many lines. At the same time mides on back to the our street understood ours are benealt into games go nack to the gan group renoravous, gain are seeight nee-action and all vehicles not wanted at the cun positions are taken (2) Teases—Preses on he derkend independently in the same

(5) Tropy—Tropic on the otherwise morphandard it the same of the control of the manifest splintary responsibility. He coully stays with the committee shows in a resporting, kerney (botherid control to his second-accounted). Similarly the bettry has an other with the opportunity of the control of the co

(2) Technical control is carried out through the command postofficer at the hattery command posts, and the GPO's (executives) at the troop positions.

the twop positions.

d. Luissa.—(1) Linion is maintained by Forward Observation, or Observing, Officers (FOO's) who keep in touth with forward units, and by an artitlery efficer at the beadquarters of the supported unit.

(2) It is contemplated absent an armoured OP in each twop.

....

E 30-410 BA-86 HANDGOOK ON THE BRITISH ABOUT

SECTION VIII

ANTI-AIRCRAFT COMMAND

the sources — It is care sorrest comment, with in thicked in the Smith started run, busy and light, and sentilephin in the Smith started run, but a source of the Smith started run of the Smith Smith Smith started run of the Smith Smith Smith Smith started run of the Smith S

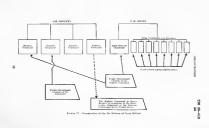
A. The Anti-Aerrit Commond has been engined with the principles of the comparison between a tender consideration of herbitisting full congestion between a tender consideration of herbitisting full congestion between a few forces on the Polker Commond of the Royal Art Force Artificial Commonder of the Royal Art Force Commonder on the We Ciffic and consequently most function through the continuation of the We Ciffic and consequently most function through the continuation of the West Ciffic and consequently most function through the continuation of the Ciffic Commonder Arthur than with a second or the angerous of the Spiker Commonder Anders Charles and Ciffic Commonder Anders Charles and Ciffic Commonder Anders Charles and Ciffic Commonder Anders Commonder Co

Crommand

4. The And-Aircraft Command is under the operational control of
the Paphice Command. See paragraph (Tsivit) Except for that
control, however, the Anti-Aircraft Continual to a separate textical
unit of the Army charged with the anti-aircraft gun and search-infrateferace of Green Birman and is directly responsible to the Army
Council. It is commanded by a general.

8. Oreanization—— The Anti-Aircraft Commund consists of 3.

36. Organization.—a The Anti-Aureria Command consists of corps and 12 divasions. The corps and divisions are pregraphical commands, and the units assigned to each vary with their missions. It is a non-likely division of the control of the An defence of certain since. A division, which is commanded by a major-general, generally consists of a localignature and three or more bragades, with





WAS OFFICE

are suctived to do note an integral AL come districts and legacies have exercised at least

c. A brigade, which is commanded by a brigadice, is composed of a bendquartees and three or more regiments. The brigade, which are a very ficable organization, may be composed of regiments equipped with heavy or light gum, with searchights, with tocket guns, or with a combination of any of the four.

a tunisancesce dary or the roots.

4. A regiment, however, normally has but one type of equipment.

A regiment occasion of 3 or 4 batteries, and can be organized on a mobile or stain bank. Regiments organized on a state basis possess transport only for administrative north. Each regiments has a small heradquarteer of about 5 or 6 line effects, a 0 2 medical officers, and

about 10 cubited men, and a commanded by a four-transferdent, a. Batteria of mixed presents, non and vosars, are now scatually employed. The women are specially trained members of the Austhury Territorial Service (ATS), who are not operationally employed in flighting units outside the Amts-Arrentt Command. They may use operate directors, belief-durings, observators telescopes, telephones, and other instruments. Up to the present time they have been operated and other instruments. Up to the present time they have been operated.

SECTION IX

37. General.— The Eoyal Armoured Corps (EAC) prepared as anologonation of the Boyl Time Corps and the mechanised anologonation of the Boyl Time Corps and the mechanised colled RTI, one how known as RTanko) conducted various numbered colled RTI, one how known as RTanko) conducted various resulted to the logist Time Regiments of the mechanised the Regiments of the mechanised the Regiments of the mechanised the Right State (September 1). The back regiments of the mechanism collection of the World State (September 1) and State (September 1) of the State (S

A. There are two peneral types of amoured units: the amoured division and the army tank brigade.

(1) The amoured division is equipped with cruzer tenks, which

have the best all-around combination of speed, armsment, and armon for long-range operations and tank combat.

* nor passymphosists and talls.

(2) The army trais brigate is equipped with heavily amoured infantry ("I") tants for assault on defended positions in close cooperation with the infrastry. It is infantry trainst, speed is sectified to heavier amour which will afford greater protection against enemy articular error.

anti-tank gum.

c. The main armament usually consists of one 2-pounder (40-sum)

or I recented executable with one conducts arm. Concessmost (CS)

By Armounted stronds,—"Conjunctions—"(1) The parallel and conjunction of the parallel and conjunction of the transmission of the attention of devians the block data and define from that of the Hane Flores assumed circums for the conjunction of the attention of the conjunction is an object to the conjunction of the conjunction is a desired to the conjunction of the conjunction is a desired to the conjunction of the conjunction is a desired to the conjunction of the

best parties upon the second positions of Deglini best parties (with 10 tanks), 3 arms and 9 segments (with 61 tanks earth), and 1 indirecty moster bettellors, 60 at 10 tanks earth, and 1 indirecty moster bettellors, 60 at 10 tanks earth, and 10 tanks earth, and 10 at 10 tanks earth, and 10 tanks earth, a

(b) The motor battalon (par. 26c) is equipped with 14 sout core and 44 mechine-gan corriers.

(3) The amount our regiment (with about 60 amounted cars)

value in organization. One type, for operation in the direct, consists of a handquartier, civil 4 a sunced cury, à bendquirter, seeking faith of the properties of the control of the production of the production of the attendance of an off-steeps (with 3 arounder on and 5 steeps (with 3 arounder one of the production of the steep of the sunced of the production of the steep of the sunced of the production of 5 steeps (with 3 arounder one production of 6 steeps of the sunced of the sunced

[&]quot; The parameter that is the types of V_i of light and medium deals med in the Schilde



(6) The suppose proop no longer exists, and its place has been taken by an animatry longular constrained of three (unclaimed) bett delone (not. 2005). Rock includes particular three (unclaimed) bett delone (not. 2005). Rock in the control consists of two Rocyal Bears Artillers repaired, with two restrict consists of two Rocyal Bears Artillers repaired, with two restrictions and an observation part (3D) funds week (just models after gamma), with for experiment, with the graph of commercial and a light continuous and any control of the con

 Daties of servers steff officers of announced divisional headquarters— The various steff officers are charged with the following distress¹⁰
(1) GSO 1—Coordinating all branches of the staff and noting as

advaser to the commander.

(2) GSO 3.—Journey orders, except over the wiseless (Ods is done.

(2) 6800 S.—Isouring orders, except over the whickes (this is done by the derivational commender or GSO 1), keeping up the bottle map, keeping other ammoned command vehicles (ACV*s) in touch with the situation and increasing information from their over the house telephone, and directing road movements in conjunction with \$100.005 (Denote Institute Industria Matter-Grover) in TAPIM

(Deputy Assistant-Provost-Marshal).
(St. Of Arnal Die Sigs (Officer Communiting, Armoured Divisional Street). — Some Communities in the division manual by B.

(6) GSO 3 (I) and 10 (Istelligence Officer) — Collecting all intelligence information and producing an estimate of the enemy for the

summaries
(5) GSOS (CW) (Chemical Warfare),—Chemical warfare adviser to the commander.

(6) AA & QMG (Assistant-Adjutant and Querter-Manter-General) — Chad "Q" (Quarter-master) officer in the division. Responsible for all "Q" problems such as replematiment of supplies, etc. Adviser to the commander and GSO 1 on "Q" master.

(7) DAQMO (Nepuly Assistant-Position-Montreference)—Assassible AA QMO and a responsible, with GSO 2 and DAPM ("B" chelen in some divisions is controlled by DAAC (Deputy Assistant-General from rear devisional High for road novements and, with the SMI Coopan from read beginned for produce for shelving and protecting troops and visibles for the might, and for "B" celebra (rear rethies of firm lone transport).

. The parametric line and figure 1 for the dotter of those officers as the industry divides said p. No. note J -1 and μ . No. note J -1.

OWGA

(8) CRE (Commander, Royal Engineers)—Acts as engineer adviser to the commander and commands the engineers in the devision. (9) DaAAG (Depsity Asishima-Lifeyinacheria)—Responsible for ill personnel matters. In some divisions he controls 'B' ethelen (10) SC (Say Chypidin)—Ansatz AgMG and DAQMG and

(40) SC (Stay Cuptern).—Assatts AQAIO and DAQAIO and represents them as the reas divisional Hq. (11) DAPM (Deputy Assistant-Procet-Mershol).—Commands the dryson provous recessa and assists in arranging for traffic central.

dyrison previous section and meaning in training out training contents.

(12) CHASOC (Consisteder, Rapid Aray Service Corps).—Cummonds the divisional RASC and is responsible for the replenishment of supplies, amountation, and perofine (13) SEME (Sentice Columber Mechanical Ecolume).—Advisor to

(13) SOME (Senior Ordinace Mechanical Engineer).—Advisor to the commander on ordinates questions. (14) DADOS (Bright, Assistants/Director of Ordinace Services).—

Responsible for the supply of ordinance equipment. Either SOME or DADOS will command the ordinance in the division, depending upon which is the sensor. (15) SAO (Senior Method Officer),—Advisor to the commander on

(15) Sato (senso Messon Oper) — Arriver to use communic or all medical matters c Bear decisional headquarters — (1) The following staff officers and

tached officers are normally at rear devisional Hq: DAAG, SC, DAPM, CRASC, SOME, DADOS, and SMO

(2) These officers normally travel an utility care or iruchs

There are no ACV's at ever devisional Hq.

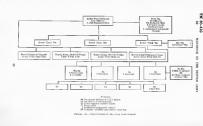
There are no ACV's at ever devisional Hq.

There is a support of the second of the se

infantly billing, for more cruiser tasses, our or resessions excepted tasks, this battletes consists of a herologistics and a herologistic tasks, the data resession of a particular control production. It has a total terrept to 88 tasks (45 or source for all 5 aparticless. It has a total terrept to 88 tasks (45 or source for any or a particular tasks) and a close-support emiser tasks.

cruiser tanks).

c. A squadron consists of a headquarters (with one infantry or cruiser tank and two close-support cruser tanks) and five troops (with three infantry tenks cook).



ORGANIZATION

CORPS OF BOYAL ENGINEERS

Armound division..... Smale BODIO Bridging and bridge constructs......

40. General .- a. Employment .- The personnel of the Corns of Royal Engineers (RE) is technically trained and equinoed to annly excipagating skill and science to the needs of the Army. Officers when Seat commissioned normally receive nearly 3 years of engineering training: a large number of the collisted men are "tradegreen" (corresponding controlly to specialists in U. S. services). Engineers ("assocrat") are also trained to fight, and are, when needed, part as infantry. Such employment is however, exceptional, since essualties in skilled nersonnel see difficult to replace. The engineers are equipped with automake and other weapons on a scale to provide for local recognition make and other weapons on a scar to provide for near processes

A Geometration ... The basic enemous unit is the company. Early company is numbered and it administratively independent. Comcompany is ministered and is accommanded companied of a CRE (Community, Poul Paragram corresponding to the divisional engineer in the II S. division). Companies are divided reversily into three main types: (1) Field and factors -Field mots form the engineer element of

Subting formations: fortiers communica exist univ in overseas partisons such as Gibraltar and Maita.

(0) The of communications (T of C) - Such mile remide troops for envious services in the base and L of C area. (ii) Transportation.—Transportation units provide troops for the compression, maintenance, and operation of radways, dorks, and in-

a Distribution - The Royal Engineers are normally distributed

He Districted RP

Three Field Cor. (2) Armoured division.

Hq Armoured Divisional RE. One Field Park Squadron

TM 30-410

(3) Cerps.
Three Army Field Cos.
One Corps Field Park Co.
One Corps Field Survey Co.
(4) Army affile out L of Co-No fixed allotments; may include—

(4) Army GHQ and L of C.—No fixed allotments; may includ Army Troops Cos. Engineer Bose Westshops. Engineer Store Bose Depots.

Engineer Base Workshops, Engineer Store Base Depots, Weekshop and Pask Coo, Mechanical Equipment Coo. Electrical and Mechanical Cos. Forestry Coo.

Forestry Cos.
Quarrying Cos.
Road Construction Cos.
Tunnelling Cos
General Construction Cos.
Artisan Works Cos.
Artisan Works Cos.

Welding Cos.
Welding Sections.
Well-boring Sections.
Army Held Sorver Cos.

tions when needed

This opposition Units 4. Special ways, the billion to typical suppose units, the Borral Enginess seatim postal units, model both units, solving units, bomb proper control of the proper control of the proper control for the proper control for any control for testing in boding telelogs, the principal being control for any control for any

41. Infantry division.— In the infantry division, the segimers are expension line to newbrasters, divisions engineers; it shill proke company; and it field companies. All compensus are completely self-sensings. They are not dependent upon the handparters, divisional evigencers, for impairs or administration, altitionish they are under the distriptions; and executive command of the CRE. The field make the processing of the CRE. The field make the contract of the compensation of the CRE. The field make the contract of t

common corresponds controlly to the Headquarters and Service Company in the U. S. Army. The field company, although loreer corresponds to the lettered companies of the U. S. combat engages The field conspenses are organized as company bredougsters and 3 sections (pistooms). The basic work unit is the section of the field company with a strength of I officer and 64 enlisted men; the normal working strength is 48 men in 4 subsections (sounds). There are nine besic work units in the divisional engineers. (For organization charts, see figs. 21 and 22.)







49. Armoured division .- In the emoured division, the enrincers are covered into a headquarters arrected divisional environment are organized map a nesidquarters, armitored divisional engineers; 1 field needs aspectives, and 2 field considered. The British armounted divisional analyses have a much loose organization than the engin neers in a U. S. armored unit. The squadrons are completely self-sustaining and so do not depend upon the headquarters for any admirterming one so not seprent upon the headquarters for any adminthe CRP. Who didn't used assertion accommonds assertible to the Hardonesters and Sormer Company of the U.S. attracted battalian The field squadrons, although larger than the lettered commerces of the U.S. armored buttaken, are similar to them. The field squadrons are divided into susuines headquarters and 3 temps, such troop being commissed as a hendouse term and 4 sections. The section of the troop is the basic work unit, with a strength of 12 enlisted men. There as a total of 24 basic work units in the divisional engineers. (For groungation charts, are few 93 and 94.1 43. Supply. Engineer equipment and stores are compiled as

follows:

a. Organizational equipment carried by companies is supplied by the Royal Army Ordinance Curss (RAOC).

he Royal Army Onlinear Curps (RAOL).

b Explosives are ordnance stores, but replenishment in the field is carried out by the supply company, Royal Army Service Corps (RAOL).

c. Engineer stores, such as expendable material (coment, timber, barbed wire, etc.) and equipment not included in organizational scales, are supplied by the engineer store service, which includes an engineer store when bear denoted and marked and park community.

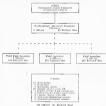
d. Bringing equipments in current fine the field by being companies (BASC), one of which is normally illusted to each cope.

(BASC), one of which is normally illusted to each cope.

In the second of the cope of

44. Explosives and demolition.—a. forcers!—The present Birls shadned explosive curred by fire-time units un grancition in this force. Ammond and guaraction in the persportion of 9 to 4 are corridor by seroud- and thefalling KAVC supply units. Forther reserves of bulk explosives are bold at the tree. These reserves may include TSF shids and planted IEE, which are service explosives, or any still-table commercial explosives such set the attrophyrerin group. Flusder HER, when available in sufficient question, we first plant all others, the contraction of the present of

since it is consily suitable for use in cutting mixed, so hearbale sharper. Until such time es plastic HR is available in quantity explosive 808 is bring issued materal.



of Postenni -

b. Characteristics of explosives -- Explosive 808 is a plastic, desensitured polar blasting gelature which is equally suitable for cutting, mined, or horehole charges, but oning to its slightly rubbery nature it cannot be rammed tightly in bereholes, and, when used as a cutting charge, requires secure fixing. This explosive contains 60 percent aftroglycerin, but it will not be detenated by a rifle bullet. Its strength is 60 percent greater than that of TNT. Since its explosive properties deteriorate rapidly at temperatures of 100° F. it is not sintable for use in elimates where such high temperatures are the rule.

It is issued in 4-ounce cylindrical cartridges 15 lackes in dimester and 3 inches long and is wrapped in this paper. The explosive can be used under water, and, when fresh, can be detonated by any detonates or detonating fuze, although primers will give more institute to y results.



44 Kolterro Mara. 91 Debat

3 Officers 308 Embetre

Spinifry, Committee (Wajer)

Tree Tree 2 Tree

Seedonation Agriculated Assessment Distributed University Section Sect

Minur—10. And $m_{\rm eff} = N_{\rm p}$ or of Builds since with details of Minur—10. And $m_{\rm eff} = N_{\rm p}$ or of Builds since with details of (2) Me H $^{-1}$ where ~ 10 Builds of the standed Builds since the details of the Minure of Builds of the standed Builds since the details of the Minure of Minure of the Minure of the Minure of Minure of the Minure of Min

on no account should found be used). The course of the sume should there he courtly replaced on that the pine envary the strans. To discuss Mk. be gently replaced so that the jame engage the straps. To disain MK.

from her been removed, a sefety non or small half should be invested in the bale is the stell or (c) The divisional sensity company correct 1222 Mir. III or 880 Mix TV and task mores. The corns amountains next remise a suf-

ficient annaly to evaluate the stocks of the supply compenies of all the develope in the come (4) Anti-necessary manage Several notterns are in more in the Middle East they are expendly constructed locally

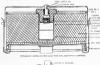
46. Bridging and bridge equipment,-a Londobnoifection veton .- The British engelow a system of load classification by which they give to alreas and vehicles, occupated the affection numbers. The classification number painted on any vehicle indicates that it can be safely taken over any bridge having a corresponding or higher classifration number. These numbers are experimently estable to the tomage of the vehicle in long tono (2.240 nounds). For example, a

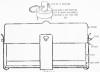
chain 24 harden can court a 26-ton tenk. (See ner. 1614.) A. Rosdey trays.-The following are the principal types of British nutific toateing covinments (1) Recommended boot - The mountainance boat (for 97) is a

recoverage hear 6 feet 8% inches for 2 feet 81 inches built in two

TM 30

compariments, with a wooden floor-stiffener. It weighs 39 pounds and will easily a tenurum loud.



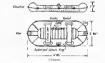


normal Mary Leaf Study come. 30

(2) Assent leat.—The assent best (fig. 28) is a weeden felding best 12 feet 1 finds by 4 feet 1 feet. It has five paddles, weight 174 panels, and carries onte fully arrest uses.
(3) Kepak feetferidge —This equipment is lighter than the U_{||} 8 feethfeider. But is otherwise stunder.

£ 30-410

(4) Fishing boat equipment, Mk. III.—This folding boat equipment (fig. 20) consists of folding boats, superstructure stituble for both





bridge use and rafting, trestles, anchors and anchor stores, auxiliary rafting gest; and folding diagnes for assess bests. The equipment

DEGAMEATON 45

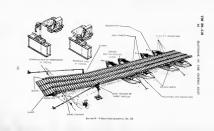
may be made up into radis for chose 5 or chose 0 loads, or used as single

may be mode up into rails for close 5 or close 10 oxids, or word as singlebeats to carry 16 scarmed non in soldition to the commundar and crew of 4. The equipment bas been designed generally as a bridge, however, and each will be its mercan low. The bridge is occustored by rafts, and the use of connectors permitting only limited arizolution gives the bridge sufficient lood corpective to carry those 9 fout the late 10 tons). The beats are 21 feet 10 inches by 6 feet 8 inches and weigh 370 permits.



(5) The small box-girder (SBG) bridge, Mk III.—Thus bridge is similar to the U.S. Hi0 bridge. Two sots are corned in each infantry division, and one special set in each armoured division.

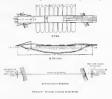
deriman, and one special set in risk amazonel deriman. On BAR years approach—10 The asymptonic convention of the BAR (i.e., i.e., i.e



their ends by steel ribands which also serve as wheel grades and are

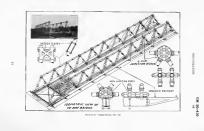
secured to the postone by means of mething boths.

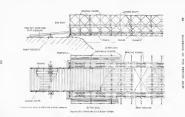
(b) To get from the such of the fonding portion of the beings to the sheep, a long integral bay, or a shifting bay and a tesuid bey, are normally required. The burg incling bay provides a substitute for tree-th, treatle bay, and shifting bay in E. a roads the difficulties and uncertainties attendant upon creeting treather on an imperfectly reconnected the substitute of the substit of the substitute of the substitute of the substitute of the su



permits bonds to travel streight from the shore to the first raft of the potents beight. The fulling byt is remain-level, they must in startieard lead-between and chosens. One end is positioned on the deck of the flusting potents, the other can obspreted on the travels modifie, or shore transum. The treate boy is the same on the shifting boy and is used between travels and above. The treatel, treated buy, and staling boy are used when long finding lows one not evaluable or whom the properties of the contraction of the con-







(2) Juglic bridge, 2dd, LH.—The leight bridge (fig. 2D) is a threeping Warrar Loss with clother assumer consecuted in equilibrium transpise of 12-flort sides and a designed to be engable of surrages millitary has of very quote reason; from 0 to 10 feet let.—For long millitary has of very quote reason; from 0 to 10 feet, 1.—For long transpires, or a feet of the reason of the surrage of the strength of the reason of the strength of the reason of the strength of the reason of the reason

(1) Robit Soldie: The Below bedge (fig. 30.1) and/or yet free samples point if See [th, ide and 16 the Below The practice are made upon from the mean about 30 yr Kin three phone I unit to be that with welded joint K. Zince below readers and only party. I all below caused in your See [th, ideal of the same of the practice of the property of the p

beings which may be extracted in normal service vehicles but which is usually held at the base. This bridge will take all military loads (except railroad loads) over the following limiting spons: Single-trues notices, 89 feet.

a Bride colley...(1) Present British policy is to easy only suf-

Scious briging equipment with divisions for inforeseable name obstacles; the remaining budging equipment is to be concentrated in the cospic briging compacy (RAMC) under direct control of the cospic commander. The present meets scole of bridging equipment is as follows.

W 20 41

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	Zem bosts	Account leasts	Especi	Seall bes-prder (SBG)	February Symposis (FBE)	Jagin or Baley	Postee	Remarks
lef Dre	39			Two sets	240 fres			
Arred Dec	81			One set (speeml)				Aread Dis has four track- bridges (20 feet)
Curps Be Co	30	T2 per Div	585 feet	Two ests	490 feet	entrailed over on a till to ti	629 feet	

It is proposed to readjust this scale ultimately as follows:

(a) Recommissioner boats will be allotted to divisional engineers on
boats of 1 to each officer, with a reserve of 12 in the field park
comment. Thus will also be carried up the briefler comment (RASC).

company. They will also be carried in the bridge company (RASU), (b) Assould beast will be carried in the bridge company (RASU) on a scale of 00 for each division in the corps. (c) The Toglis belong, MR, 111 (00 feet of single-tubed bridge), will be carried by finfantry) divisional regimers and by amounted drivtional restorate to deal with some clusteries. Each bridge company

(RASC) will carry 480 feet of double-tubed beidge. Pleating pion for use with the bridge will be carried in the beidge company, provided experiments and design new in progress are successful. (d) Brilly bridge.—This beidge may supplant the Inglis bridge on divisional equipment.

divisional equipment.
(r) The Kapok assault bridge (529 feet) will be carried in each bridge company (RASC).

.....

(f) Trank-assault bridging will be carried in the divisional field park squasiron of the armoured division. The type of bridging has not been

adjustative of the solutions deviated. In the type of templage as not been discounted, the solution of the sol

and the lirgs bas-grider leiding (obsolescent), the Hamilton bridge, and stock speak will be kept at ruthrests and engages store (hoss) depots for somigenmental bridging on the lines of communication. Section XI.

	Tr.
General	
Hq signals	
Corps varials.	
Devisional signals	
Armoured dayboonal agonals	
Standard procedures	
Equipment	

46. General.— The Boyel Clays of Signals (II Sa₂), which corresponds to the Signal Copyrin the U. S. Anny, is responsible from a corresponds to the Signal Copyrin the U. S. Anny, is responsible from a same communications does to be redequenter of addingly behilded as the contract of the signal contract of the RAU, these being effected by an frontation engage. It will be the RAU contract of the signal contract of the signal contract of the signal contract in the same quantities that the signal contract of the signal contract in cont

b. Indistry battalions and stillery batteries and troops have their own signalers for communications below company level. These personnel are not members of the Reyal Corps of Supails.

personnel are not members of the Royal Corps of Signals.

e. Higher formations are responsible for communication with next lower formations and for lateral communication between adjacent lower formations. d. If a formation or unit is supported by another unit, such as artillery, the supported formation or unit is responsible for the communication with the unposering unit.

The following is a list of some British signal terms and their

The indicating a law of the law o

Cubic
Drum
Wardenstelagraphy (W.T)
Radio-claphany (R/T)
Radio-claphany (R/T)
Radio-claphany (R/T)
Valve
To unprpose
To simplex
Teleprinter
George
Guid cubic
December March (Pale)
Sprind foor (cable)
Mesonger

f. The senies R Sigs officer at OHQ is the Signal Officer-in-Cluff (Sigs).** and is a major-general. At a may localigatation the senior R Sigs officer in the Cloff Signal Officer (SSQ) of the senior R Sigs officer in the Cloff Signal Officer (SSQ) of the Cloff concession of the Signal Officer (SSQ) of the Cloff concession of the Cloff Cloff (SQ) of the copys outer-root, and is a solicely, and clorinoid hardquarters he is the Officer Commandiant, Divisional Signals (OC Dev Sign), and is a licetimant-section); as beginning the signal signal (SQ) of the Signal Signals (SQ) of the Signals (SQ) of the Signals Signals (SQ) of the Signals (SQ) of the Signals (SQ) of the Signals (SQ) of the Signals (SQ) of the

which is provided by the property of the prope

in charge of window sections, operating sections, and line sections
A. Communications personnel, when on duty, may be distinguished
by a blue and white signals arm band, which is wern on each upper
name by the following effices and men.

(1) Officers of the R Sign.

* Farmerly Linear As FOOD-

(2) Regimental signaling officers.

(S) Noncommissioned officers of all arms employed in message centers or in charge of artillery bettery signaless. (4) Messengers of all arms while employed on dispatch riding

(5) R Sus personnel engaged in the construction and maintenance of who and cable. 47. Hg signals, -s. This corresponds to the U. S. Anny signal

47. Hq signals.—s. This corresponds to the U.S. Army signal lattabon. Its organization various according to circumstances, and it recycles communications for the He of a hurber formation such as GHO or army A The unit consists essentially of a bendersariers and three comparies and is commanded by a heatenent-colored. No. 1 company is

the construction company: Nos. 2 and 3 companies are operating and realistations companies and are adoptical. Comparing any divided into acctions, the number of which varies according to requirements. No. 1 company contains line 6, c. line-laying) sections and a knownesterance section. Nos. 2 and 3 correct of teletyme and a line-maintenance section. Nos. 2 and a constant of testype

48. Corns signals - a. The corns signal unit (known, for enumale, Corps signals.—a. The corps signal unit (chown, for ensures, so (19) Grena Sienals), also corresponds to the II. S. Army sarnal.

lo itolian 5. It is organized into a headquarters and three companies and it commanded by a licutement-colonel. No. 1 company is the construction company. No. 2 commany is the operating commany, and

No. 3 company is the coops artillery company. Companies are solulistical into autrops se follows:

No. 1 (Construction) Con 4 line sections.

1 line-quintequare section. No 2 (Operating) Coc

3 overating sections. 3 wireless sections. 2 memerger sections, each of 1 arranant and 24 messengers.

No. 3 (Artillery) Co. Supral rections for come artillery units.

a. If the number of formations and units of the corre is increased or descended the nurches of neetlens is altered assentingly. 49. Divisional signals .- a. Within an infantry division the signal veit corresponds to the deviced serial commany in the U. S. by corns airmals.

Army is known for exemple, as (38th) Divisional Simula. It is Army is known, for example, as (SSER) Divisional Signals. It is communical by a firstenant-colonal and is considerably larger than the U. S. company, for it includes the equivalent of the U. S. infantry resiment and autility battalian communication plategray Diviregularity and artifacty flational communications parties the division somal signals is responsible for all continuous attents within the division, down to infunity battalions and artiflery batteries. It maintains all sades sets in the decision and samus out first-line remain to signal comment. It is also responsible for lateral communication between its referring being the (U.S. memorata) and in second for expression cutions with the devision on its left flank, where this is not provided

A. Divisional simula is divided into a headcourters, a headcourters commerce, and four commerces: (1) Unit Ha. Recentive office of the Officer Communities. Divissional Simula (OC Div Sira) (2-O and 8 EM)

(9) He Co. He (1-O and 5 KM, contain communities).

O Section new melline confirment recorders and record adminuteston (I-O and 35 EM) M Section test real maintenance of all signal configurest in the

division (t. O and 25 FAD) (N. V. 1 Co. December communication at designed bandous state and to infantive brigades, at fillery resonants, and the army teak brigade. The company consists of-

Hq (1-O and 6 EM. major communities)

A Section—radio (2-O and 36 EM). C Section—radio (1-O and 37 EM)

D Section—dientich rider (messenner) (24 EM company quarter-master surgrant commanding); includes a explice subsection, with a captain commanding,

(4) No. 2 Co.—Provides communications for artiflery regiments. including anti-tank, from regimental headquarters down to betteries The company consists of-

He (1-O and 5 EM, major commending)

K Section One section attached to each field artillery regiment G Section (1-O and 57 EM cach)

H Section devisional artillery Ho staff section (1-O and 34 EMD

75) No. 3. Co.-Provides communications for infantry brigades (U. S. reconcerts), from briends headquarters down to infantry heatablene also for the recognitioners regiment, down to recognise names according and for the Communities Reval Engineers, down to common accupance (Aports as field companies, RE).

Ho (1-O and 5 EM, major roumending). Hig (I=O and 5 EM, major commending).

B. Section—recognisissings regiment parties (17 EM, com-

need received and a regiment southern (12 J. Scotton One poeting attached to each unfunity brigade (2-O K Scotters and 50 EM cach; also 7 infantrymen attached to

L Scotton each) 16) No. 1 Ch. Decorder communications from the arrow tank houseds to the took bottehouse also furnishes a section to such tank bettelion for communications down to noundring. The communic

Ho (2-O and 19 EM: motor commandition). W Section army tank british restant (1-O and 48 EM). X Section | One section astached to each tank bettelion (18

7 Section members make c. Attached to divisional signals is a light aid detachment (LAD), which is reasonable for the recovery and repair of damaged vehicles. 50. Armoured divisional signals.-a. Armoured divisional sigmis provides communications within the armound division down to and uncluding headquagters of armoured regiments, infantry (motor-

issell hattalions, artillery hatteries (U. S. hattalions) engineer squadrous, motor companies, and armoured our squadrons. The unit corresponds to, but is considerably larger than, the U. S, armored samul company, and is commanded by a heutenest-colonel. 4. Normally communication is almost entirely by voice. There

are over 500 radio sets in the division, including 1 in every armound valuels, and there are more than 50 different radio acts c. Armoured divisional rignals is divided into a headquarters, a headquarters squadren, and four squadrens

(i) Unit Ha .- Executive office of the Officer Communities. Armaured Divisional Surrals (OC Arend Div Sirs) (4-O and 25 EM) (2) He St -- Admiranters the provision of stores, and deals with technical maintenance both mechanical and radio. The squadron He (1-O and 4 EM, cantain commandur).

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M Trosp—mainternance and repair (1-O, who is the Technical Ministernance Officer (TMO), and 31 Edd).

(3) No. 1 Sg.—Provides communications between rear and advasced Rg, and also between the two armounted heigasies and any other supporting arms whose communications are not supplied by Nos. 2, 3, and 4 Squadrons. The equation is divided into two recovers advanced divisional benderates gross and rear dividend

is adjusters group. Each group consists of a bradquarters and three troops.

He (1-O and 12 EM, major commanding).

(a) Advanced Group.—Provides communications to those forms.

(a) Advanced Group.—Provides communications to the trees and units stationed in the forward areas.

Hq (1-O and 2 EM, captain commanding)
A Troop—Adm Div Ha troop (1-O and 54 EM).

A Troop—Adm Div Hq troop (1-O and 54 E C Troop—radio (1-O and 30 EM).

D Troop—messeger (24 EM, company quarter-master sergeant commanding).

(b) Rest Group.—Provides communications to the services and reserve mist of the division.

Hq (1-O and 2 EM, captain ecommanding)

If Transport and divisional traces (1-O and 36 EM).

B Troop—wire (1–0 and 28 EM).

O Troop—operating (2–0 and 32 EM, captain commanding).

(a) Mr. 2 St.—Provides communications down to the Event Horse

Artillery (mechanized) regiments (U. 8 battshone) and within the RHA regiments down to buttones. The squairon consists of— Hq (1-0 and 7 EM, major commanding).

Hq (1-0 and 7 EM, major commanding).

H Troop—divisional artificity commander's troop (1-0 and 38 EM).

E Troop One two attached to each RHA resiment (1-0 and

F Troop 41 EM each).

No. 3 Sq.—Trovides communications within the infantry bigode, the armound car regiment (U. 8 hattalion), and the engineer
hattalion down to the infantry battalion, the ammound car regimens
at the animous armound researched. The armound consists of—

Hq (1-O and 7 EM, major commending)
J Troop—miantry brigade (2-O and 66 EM, captain commending).

R Theop—armoured car regiment (31 EM, company quariermaster sergeant commanding) N Troop—engineer battalico (1-O and 20 EM).

(6) No. 4 Sg.—Provides communications within the arminred brigade down to armoured squadrons. The squadron consists of— Hq (9-O and 20 EM, major communiting).

W Troop—armoured bugsde (1-O and 51 EM, captain commonding).
X Troop troop attacked to each amound regiment (15

Minoring).

Troop One troop attached to each amounced regiment (15 Y Troop) EM each, company quarter-musics sergeant company quarter-musics sergeant company regulates each).

Z Troop mending each).
V Troop—moter hattables (19 EM, company quarter-master master)

sergrant communiting).
 Standard procedures.—a. Phonetic alphabet.

as in the following table:

When it is necessary to spell a word, the word itself is first spoken, followed by the phonetic spelling; for example, "Two: T for Toe, W for William, O for Orange"

b. Prevauecistics of Jepures (numbers)—The word "figure" will always spreade any sumbers; 10 will be spoken "Figures" to Over. "Promeastion of numbers is smaller to U. S usage except for numbers such to 11, 22, 33, etc. For instance, 11 may be pressurated "Wan Wan" or "Poulde Wan"; 22 is "Foo Too" or "Double Too", etc. Should the prominenties of figures full to make the figures deer to the instance, the number of the instance, the number to the instance, the number to the instance, the number to the instance, the number of th

0.00045 40Warn !! Own - One 2. "Too" One - Two 9 0779-1-100 One - Two - Three Two - Three - Four ACC. and There - Four - Fire 11564.11 Four - Five - Siz 7. "Sev-en" Five - Six - Serra Sty - Seven - East a "Nines" Seven - Earlet - Nine



Example: 20019 will be spoken as follows (with emphasis on the Spare (number) to be transmitted): "Figures Too-Six-Owe-Wun-Niner, Toe, Wun-Toe; Six, Foor-Fife-Siz; Owe, Owe-e; Wun, Ower, Win-Six-Six-on, Mo-Nine."

Once Wun; Nines, Sev-en—Ato—Nines,"

6. Writing a message for transmission.—Messages are normally composed on a message form (blank) similar to that shown in figure

omposed on a message form (blank) similar to that shown in figure

34. Spaces should be filled in as follows:

(1) "To": the name of the unit to receive the message or its code

sign. (2) "From": the name of the umit sending the message or its code sign.

(3) "Originator's Number": writer's identification number (see par. 165). (4) "Date" day of the month only (a. v. December 7 is writen 7).

(4) "Date" day of the month only (e.g., December 7 is written 7).
(5) "In Reply to Number": the identification number of the message, if any, to which reference is being made.

(6) The text is written from left to right with one word in a bex.
It may consist of plain language, cipher, or code. A period, or "stop,"
is indicated by a circle with a dot in the center.

(7) The originator signs his name and rank in one of the two spaces at the bottom, thus giving instructions regarding cipher.
(6) "Operation of Instructions Decree of Priority" the decree of

(8) "Originator's Instructions, Depree of Franty": the degree of priority, if any, is given. The various degrees of priority are as follows:

per of priority Und by—
set immediate Communitar-in-Chief or his chief staff
officer only

neegenry Commanders and sense steff officers is only for messages of the utmost importance having a three bearing on operators umediate Regimental commander or sense steff

offices is for messages of special importance

Any officer; for messages requiring priority above cedimary souther messages.

Signal officers may use this priority. Any
other instruction, seek as "To went are

No indication For routine messages

Deferred For messages of monor importance

* Frace) litt, showing in detail which offerer was exceed proofs, are soled by the 485045*—48——6. TB

22F 20 410 WANTED OF THE STITLES ABOUT

on "Time of Origin": the time at which the writer signs the message (the 24-hour clock is used, and local time). (10) All other blooks on the message are lifted in by R Surs presented. (T. H. I -time handed in; T. O. R -time of receipt.) (11) If an acknowledgement is required, "Ack" is written at the

end of the text. d. Procedures for conding recovery —There are several procedures in

(1) "Written message" procedure —The message is written out as

above and seat exactly as written, together with various agend procedures used by R Sus-

(2) "TE" precider. The message may be given orally to the operator to transmit, or may be written down simply as a text without the address or refraences required in a written message. This is used for nuick appetions and answers

(3) As recards actual transcription of the measure the following procedures are used:

(e) "Normal" method.—The measure is sent straight through. (b) "SR" (send replies) method. Each group is answered by the receiver before the new group is sent. This method is very slow and is

need only when compositeation is different (a) "F" recorders ... The message is next the much twice at slow rate. so sources being eyen. This method is used when the receiver must

not or connect reply. (d) "6" procedure.—The whole message is repeated back by the

(c) "DC" argonizer. Difficult communication (DC) procedure is med in cases where interference is strong. The sends such each

eroun tware instead of once. a Strength of signals. The strength of signals received by radio is described as follows: strength 3 means "searcely readable"; strength

6, "fair"; strength 7, "good"; strength 9, "very strong." 4. Transmission of a success. - A message may be sent as a telegram by one of the procedures described above, or may be sent as a phono-

evens. In the case of a phonogeners the sending operator telephones the moneyer and the receiving operator writes it down on a message form. 49. Equipment, -a. Wire and associated stares - In ground those are very like those in the U.S. Army, the principles of operation being

exactly the same. The principal instruments used in forward areas (1) Telephone "D," Mt. V.-Calls by burner; responds to burner calls or by bell to magneto calling; speech and Morse code (busser). (2) Telephone "F."—Calls by businer or magneto generator; responds to businer calls or by bell to magneto calling; speech—ne

(8) Full-release.—A partable DC telegraph instrument of high

(4) Seatchkeard universal call (UC).—Ten-fine or six-line; partable

scriphoned, with lamp indicatons, which will respond to and call burses or magneto instructors.

(5) Superposing wall—Conceptends to the simplex unit; designed primarily for use with switchboard universal only simplexes a series allocations as telephone decorate (for his one ground return) simiplexes a planeter to ground full-prabone or telephone on a twin live; simplexes, a filter-phone or telephone solutions on two twin lines.

further development of plantom detectile.

(ii) Lies bable (most'en stee).—These are of various shapes and attached to whose at points where shortification difficulties implied arise. Liesence, by feeling the tage, out tell in the dut which insideous the line. Thus are clearly marched to make detailstation simple; for example, BW-A meens a line link by The Black Watch (see get, 1637) to $^{-1}$ Co. If there is prove than one line below me has now stations of the control of $^{-1}$ Co. If there is prove than one line below me has now stations that the same stations are the same stations and the same stations are same stations are the same stations are the same stations are th

a figure is added; for example, BW-A2. (See fig. 35.)

(7) Wire.—(a) "D," Mk. III.—A thin braided steel and copper wire used by infantry and artillery; single generally, but twisted is excilcible. rune. 10 miles.

avanates; range, to mass.

(b) "D," Mr. VIII.—A larger but similar wire used by divisional signals; single and twisted; range, 15 miles.

(c) Quad calde.—Used in regr of the division; subbrr-covered and

rubber-insulated; contains two twisted pairs; range, 45 miles (d) 7-pair ioria rubber rubenized (IRT).—Used in rear areas and also, in about lengths, at He's, where it is usually buried to conceal amounther; range, 40 miles.

approximate, range, 50 (1988).

b. Balle (as weed is forward news),—British radio differs in one managent from U.S. radio equipment of pre-war design in that British
rate have a larger frequency overrage and tend to make can set do for
many different sum which the second of the second of the second of the
rate of the second of the second of the second of the second of the
(11) No. 18. set (No. 28 and do set been dereforment).—Used by

 No. 18 set (Nos. 38 and 48 sets being developments).—Used binfantry and for general pasted work: Outnot: 5 wait.

Frequency band: 6.0 to 9.0 megacyales (mo/s).

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Mobile-voice, 2 miles; ew. 6 miles. Stationary-voice, 5 miles; cw. 8 miles. Weight: 30 to 35 nounds for No. 18 set; the others are lighter. (2) No. 58 act.—Used by infantry and paratroons.

Outsot: 5 watt.

Frequency band: 7.3 to 8.3 me/s Parent Parent A makes assessment

Weight 12 rounds (bettering carried semestely) (3) No. 11 set (and No. 21 set) —Used by infentry and oriflery:

Output: bick power, 7 watts, low power, 1.4 watts (No. 2) note on higher hand. Street, on honor hand, \$ 5 months. Franciscov hand: 4.2 to 7.5 racis for both sets (No. 21 set has Rappro

Mobile mire 4 without on 10 miles

Weight: 47 neurola (4) No. 10 set. Primarily an armoured force set, but has many

Enquerer hand: 9.1 to 8 made and 990 to 950 mate Mahile-voice, 10 miles; cw. 15 miles.

Weight: 192 nounds. (8) No. 28 set. Middle-distance not division to benefits:

Output: 20 watts. Frequency head: 2 to 8 mg/s.

Range: voice, 20 to 40 miles; ew. 50 miles; mew, 40 miles.¹⁰ Wright: there pack loads of about 30 pounds each. (6) Three are many other radio sets in use. When a radio set is replaced, the new set is generally numbered ten shead of the old set. Fig. instance, the No. 13 set was replaced by the No. 23, whirb, in

turn, was replaced by the No. 33. Other sets which may be found are as follows: No. 5 set-very-high-power set for strategreal use. No. 9 set—recynigo-power set for miningent use. No. 9 set—obsolescent, replaced by No. 19 or No. 22 set.

No. 12 set-birth-power set for Royal Armoured Corps and formy use.

TM 30-410

No. 17 set—very small portable very-high-frequency (VHF) set for anti-mursaft use No. 28 act—high-power VHF multi-channel directional set for



TM 30-410

No. 93 set., birth-newer set for serve and corns Ho's

No. 24 set., Night-pource VHF set for publicatives ft own control. No. 44 act opposed decembed postable loss norms set for combined operations A Maratagers and reasis (1) (a) The Boyel Corps of Simple

is respectible for first-line remain to all somal equipment in one by units of all arms included in the fermation. Whenever possible units nature community requires remain or advantment to the signal units return equipment requiring repair or nequisitions to the signal times line remain it is turned over to the formation evigence with and an immediate replacement is made if available. Normal replacements and human are nont attracely forward from the base prospers depot to the bounds endounce common and issued from these direct to the unit. (Many of these functions are to be taken over by the Rayal Electrical and Machanical Engineers (REME)... are p. 80, note 28.)

(A) A small down of cubic and line stores is maintained by the CRO's of semina and seems for some to most come amendment or cools of ammer and coops for pone to meet some emergency or ordeance denot, and are issued by R Sire and not through ordeance

Sign tradesmen is a report or replacement which can be effected without the use of machine tools. Anythmy which is a definite workshop ioh is passed on to the ordnance workshops,

Secretor XII

POYAL ARMY SERVICE CORPS General ... Function

Proposales of people Location of requires... Separated to endhand 52 General Certain towns used in accountion with smalle in

the Detroit Appear receives undirectory condensation

a. Supplies.—This term includes food, forage, gusofire, lubricants, disinfectants, hospital supplies, fuel for cooking and heating, and

illuminants.

5 Stores.—This term includes war material other than supplies.
It is divided into-

It is divided into—

(i) Ordinance stress.—These include personal and unit equipment, summent and small arms, nanounition, explosives, regarder and signal stores, tanks, armoured ears and carries, tractices, dolling

for workshops, and all mechanical transport vehicles other than those which are the direct remountability of the Royal Army Service Core.

(RASC) (see par. 54).

(2) Engineer stores.—These consist of material and equipment required for engineer work of all kinds, whether carried out by engineer or the other awar. The term includes required the control of the control o

stores, but not explorives.

(3) Transportation stores.—These embesos material and equipment which are peculiar to the transportation services but are not

provided by other services.

(4) RASC stores.—These include mechanical transport vehicles or the RASC, store, marts, and the material and conjument for their

repair.

(5) Medical and reterinary stores.—These include drugs, dressings, medical and veterinary instruments, and apphanees.

Transportation — This term reiers to administration of the movement of troops, stores, and supplies.
 Transport.—This term is used—

Transport.—That term is used—
 In a general scare to denote the driver, vehicle, and such equipment as is necessary to reader the vehicle mobile.
 To denote that portion of an organized unit, formation, or

(2) To denote that person of an organized unit, formation, or service the primary duty of which is the transportation of troops, stores, and smoltrs.

44. Function.—The RASC is charged with the responsibility for the storage and acro of supplies, its certain places of their transparetation, including the vehicles assigned for that purpose, and for the administration of barracks and quarters. It supplies the daily needs of the roller, both its, supplies how with food, gooding, and ladercants, and brings bim his summatistic. The RASC is also responsible for

or the country, that is, suppose hims wint food; goodine, and nestwards, and brings them him ammunistics. The RASC is also responsible for transporting has blunkels and reserves of anti-gas clothing.

50. Organization—— Second—(1) The RASC is regunited into two beauches, supply and transport, which are coordinated under a directorate, the head of which his a misro-coverned known as this

Director of Supplies and Transport (DST).

(2) In war the supply and transport services, under the direction of DST, are under the control of the Quarter-Master-Gomend (QMG).
(3) The supply branch is clarged with the supply of food, forage,

(3) The supply branch is charged with the supply of food, foreign, their, higher distortents, medical controls is, and gasoline and odds for vehicles.
(4) The transport brunch is charged with the provision, here, operation, and unpection of all vehicles in AASC unite of strong the AASC control of the control of the provision of the AASC control of the AA

and tools required in the operation and missistenance of these they the The maintenance and the second of the second of the second of the The maintenance of the second of the second of the second of the the second of the second of the second of the second of the A. Particular [1]. [Qfreen.—A&SC offices as to optimized on a seperated hostic, are interchangeable, and are trained in all branches of RASC offices.

(2) Supply branch.—The personnel of this branch are organized by trades. They are bakers, butchers, issuers, and elects. The circles section of this branch provides the electral sections required for commenders and staffs at bradgarates of formations in addition to those required by the RASC itself.

(a) Temperat 'escale—(a) The personnel of this branch are organized into drivers, qualified tradement trained in the trades associated with automobiles (e.g., copperssiths), MT storkeepers, and technical mechanical transport durin (TMT clerks).
(b) The animal transmit branch, which is commosed of drivers and

tradesoum trained in perturent trades (e.g., harnesomakors), is one of the typical small divisions of the transport branch. 56. Units.—a Supply personnel.—(1) These are organized into supply companies, which are meanily dispersed into detachments of

supply companies, when are instally depended into concentration of varying see and attached to the nearest RASC transport unit. (2) It is the responselibity of the transport unit commander to train supply reseased attached to his unit.

(3) Supply companies, RASC, are lettered companies (e. g., "A" Company), and are responsible for hutchering ment and belong bread, the asure of all supplies, and the element duties in connection with analy rescentia, etc.

a D humborded that this work harmed copy will executely this over all mateins are underpain, helded to favor the previous and always of all always (relevable south parts with translate). The helder of the appropriate service. All transportance is accusational and helder and appropriate service. All transportance is accusational and helder and accordance linear of the translate and helder of the coape.

4. Proceedings of the first consideration in the transmit company, which consists of a headquarters and operating sections

(2) Operating sections are premaily commanded by an effectcontain or exhibitor, and consist of a continu hardenestors and a remines of sub-sections each in charge of a noncommissional officer (A) The reveal ask coston consists of the reduction and in the small-

M. Bernsmant - Terrement properties is conscioud intoa First-line transport. This is organic transportation in bettal-

ions and below. It is divided into "A" and "IV echelona "A" scholor mores with the unit in combate "B" normally follows with the trains. b Second-line transport. Second-line transport is normally operated by the RASC between refilling points (RP's), which are usually

--betal be divisional bredometers, and delivery points (DP's), which are relected by unit communities, and near c. Therelying personer. Thus is normally operated by the RASC

between neitheads (RH's) and refilling points. The second- and thirdline BASC transport is known as field transport. A Reserve transport — They reserve undertaken semeral transport

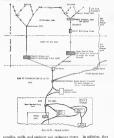
duties and recorder a reserve of transport. e. Technical transport.—Technical transport consists of specially

comment velocity, as, for example, moidle workshop kerries and ambulance our communica 58 Operation (fire 26 and 37) —c. Second/inc terrorred —(1) Graced Second-line transport forms an internal part of the forms-

ton which it serves, and, in the case of divisions, it is arouned under the command of a Commander, RASC (CRASC). Each transport holds on wheels a fixed reserve of ammunition and eastline. (2) Orangington —Second-line transport in both the infentry and the armoured divisions consists of a headquarters of a Communier.

In the infantry division these community are as follows: one tents troops conseasy, in the armoured division, one armoured brigade (9) Strendles - (e) In the case of complies, the transport provided

year he called a combination of econds and thinkline to that at operates from railhood to delivery points. The unit is the company, and corps troops. The supply columns are organized into two cohelons which carry out deliveries every siterante day to the formations they serve. These units receive from railbood, and carry and deliver

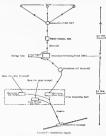


supplies, mails, and engineer and ordinance stores. In addition, they normally hold a reserve of rations.

(b) Although separate channels of supply are shown in figure 36 in the divisional area for each item, delivery of all types of supply is

the divisional area for each item, delivery of all types of supply is accomplished by brigade or divisional tecope companies for their respective units. 086

b. Third-line and reserve transport.—Third-line and reserve transport operates behind recond-line transport, draws assumation, gasoline, and other supplies from railhead, and delivers to retilling points the



quantifies required to keep the second-line transport filled. A post of RASC person transport components applied at the disposal of the formatist commenders, who seem see to it that the reserves of annualistics, passedine, and supplies held on wheels are sufficient to cover all their actual tectical requirements. Each general transport company

TM 30-410

in composed of these or four plateous, each operating thirty. Some treeds. These plateous are used for excrying animalities, prospened emplois according to the numerical received of the struction. C. Tablactic Pressport—This composites such value to bridge composites and anisolatoric curriculation for the structure of the second tree from anisolatoric curriculation of the second tree from search term from anisolatoric curriculation of the second tree from anisolatoric trains to be negligible and from inequisity considers from anisolatoric trains to be negligible curriculation of the second of the pure dark forms also not not sumbinare curriculy, within its usually

and 67) to casualty clearing stations and from casualty clearing stations to ambiguous trains.

69. Lof Cinstallations.—The RASC provides a staff and operates

the following installations:

a. Mechanical transport stores denote (MTSD's).

- Motor transport vehicle reception depots (VRD's).
 Heavy renew them (HRS's).
- t. Heavy repair shops (HRS's), d. Base supply depots (BSD's).
- e. Field balaries.
- Freid bakeries.
 Advanced somely denote (if formed).
- g. Field supply depots (if formed).

 A Datail same depots (for the mountion of surplesses from trains at
- a. Dean scar depois (a) the reception of supplies in detail to local troops).

 60 Principles of supply.—a. Supplies.—(1) There is a recular
- Principles of supply.—a. Supplies.—(1) There is a regular delivery of required supplies to all units daily at a time and place convarient to them.
- venion to taken.

 (2) In addition to one emergency ratios, all units must have 2 days' supplies with them at all times. These stocks are replemated by the days' delivery of 1 day's supplies.
- Gaseller.—(1) At the beginning of the murch all vehicles are filled and all reserves made complete.

 (2) An adequate reserve is maintained on wheels in front of millionid.
- (2) An adequate reserve is maintained on wheels in front of milhend (anflicient for 75 miles, carried by petrol compenses).
 (3) Replantament will normally take piece on completion of the
 - march.

 61. Location of supplies.—The supply situation on any one day is as follows:
- First deg's supply:—(1) On the mns—an emergency ration.
 (2) On first-line transport—the unconsumed perion of the current day's ration.
- Second day's supply.—In one echelon of the supply column ready for delivery that evening.

OM

e. Third day's mapsly — In the supply pack train, at or approaching the ordered or in the other schelor of the suresky column for delivery

the following evening:

42. Transport to railhead.—a. This is normally done by means of what is known as a "neck" trein. Pack trains are run on daily

schedules and conton the 1-day requirements of one or more formations in supplies and in organier and RASC stores.

5. Trains are loaded at the various depots and murshaled into pack

5. Trains are loaded at the variety depots and anerthiled into pack sections at the base marshalling yard for disputch to retiliend;

 A section pack sumber is allotted to each formation served, each allowed to the property of the prope

ralliced treak (freight our) destined for a preticular formation being likeled with than number. In the manifolding yard, therefore, all tracks bening the same number are put together to from the pack section, which continue it days requirements for a particular formation. d. Pack trains are classified as "standard" or "variable." The standard next time is louded on a fixed beasie for each for normal next.

assumers parks turns is toured on a gived forms for each 50 mil Fin extend, thus facilitating the work of the base depois Any simplicies or deficienties on arrival at refibred one usually be adjusted by the refibered purply efficient from this store. Variable pack trains are restricted to the minimum and exe normally adopted for army or copys troops when domainds no subject to consolerable fluctuation.

to the minimum and are normally adopted for army or corps troops when demands no subject to comoderable fluctuation.

A third type of arms, known as a "bulk" treas, so also used. These trains carry one or more commodities in bulk and normally run from how dereats to regulating slatings; or advanced denote.

SECTION XIII

 ROYAL ARMY MEDICAL CORPS
 Prescript

 Gentral.
 63

 Theretal considerations
 44

 Collection of formations and unrit
 66

 Collection of the collect

Their artistance (testistics) 67

63. General.—The Royal Army Medical Corps (RAMC) provides the method service in the littleid Anny. Under its presidenties come the various nursung services, the principal one of which is Queen Alexander's Louveril Affiliatory Nomins Service (QALMNO). The

general responsibilities of the RAMC are—

- Manhen of the QAMON reak with the officer of the Army or follows:

Statego is dant-colore! Procipe) suscept—best sexts exicted Vision—maps

a. The execution care and treatment of sick to injured to one and of our convolution in all situations. The RAMC is not comparable for of gas customes in an attentions. The many is not response, or "describe" non-contaminated with Mister gas unless they are rendered unfit her the seas to continue in notion. The "elementary" of mon who are

not rendered well in a unit responsibility A Adoles and infiliation of processors to become the health of two-

Advice and management of medical equipment and supplies.

d. A deleg with reposition to the benefits of medical cults. 64. Taotical considerations.—a. Principle of operation.—Medibe moved quickly, on account of tenteur and stores that have to be nacioni un, and the sick and wounded who must be evacuated. Consequently, in principle, no more units should be opened up than are required to deal with anticipated ensualties. This is especially

important in mobile operations. A Modical plan(1) When properties the medical plan for a specific operation, "G" (General Staff) gives a forceast of anticonated casualties. On this basis, the medical staff and "A" (Adiutant) are in a position to estimate transport requirements by enjoyalsting the penda posterior to estimate transport requirements by enwishing the pero-

(2) If the calculations show the need for more transport than is available, "A" must obtain it from "Q" (Quarter-master). Since the avianous, "A" must obtain it from "Q" (Quarter-master). Since the calculation is based on an arbitrary expectation of casualties by "G." a recorn of transport to most unconsistable beave consulting is usually neovided.

(3) For a divisional eneration the Assistant-Director of Medical Services (ADMS), having made his calculations, submits his plan for evacuation of casualties, showing what proportion of his resources he respond to once and what he will know in reserve. If the plan is approved by "A," it is then put into effect by ADMS. (4) As they are a matter of ownered interest, the locations and times

of opening and playing the forward expension centers are inserted in the administrative paragraph of the operation order (OO). (See ner. 199a(4).) e. Organization for execution of complice.—The pressination for

the evacuation of essualties (fig. 38) is based on a system of three (1) Chillestine some Regimental medical establishments (RAP's, ADS's, WWCP,

and MD60



TM 20-410

Motor ambulance corrors. Castalty elearing station. Archalance trains Ambulance trains.

Archelance aimianes. (3) Distributing range

Home bossitels

65. Medical resources of formations and units. - a. Division -To the infrastra division there are 2 field ambulance 2 (bettelows) 2 field drawny stations, and 1 field hypens section, with a total of 691 officers and enhated men. In the armoused division there are 1 Birkt field ambulance, 1 field ambulance, 1 field dressing station. and I light field bysome action, with a total of fife offices and enficted men

b Julestry Astrelian - In the infantry battalion there are 1 modical officer. I medical orderly medical represent in a 15-rest truck. stretcher-hearers 1 asymmetry and 90 cultisted men. The attrichets bearers collect casualties and bring them to the regimental and post

e. Other units.-Several other units have a medical officer and orderly in their organization; but although stretchers are sometimes provided no special strutcher-benevity are allowed. Consulties from units without any medical resources will be treated by the nearest unit in the cham of evacuation.

d. Armound feating reliabs (AFT's).-A medical kit is carried in each AFV, and personnel are trained to its use. If the situation permits, executive are evacuated from the tank, with an attached field reclical card imbrating the nature of the injury and the first aid already gives. Consulton are then collected by moderal personnel. a Resiscental and next (BAP) - Resiscents provided with a readi-

cal officer open on WAP or builde. Its arts in the removability of the communities officer in committation with the medical officer. Evacuation from the RAP is a reasonability of the field ambulance "The setting vehicles are called "motor ambulances"

(company). At the RAP the first field dressing is applied or adjusted.

86. Collection.—a. Beaver relay past.—This is established as a turn-over point from one squad of stretches-beavers to the next, when

the ground perchase to use of motor subtractives.

b. Main desning station (MDS)—The MDS is found by the besidganters of the field ambulance (company). Records and

perted; but here also only upont treatment is attempted. Ribbs and any ammunition are collected from the wounded at the MDS, c. Walking wounded collecting good (RTRCP).—The object of this peak at a charge measure on the above department assure ADS, in

post is to relieve pressure on the advanced dressing station (ADS) is battle. Walking wounded are directed to the WCPC, whose they are taken direct to the cosmity clearing intoin (CCS) by interpret (until) kirries, provided specificity by "Q" of corps bandquarties. The WWCP is formed only when heavy fighting is expected. It should be located 2 to 6 male from Gorwalt troops at convergenced reads or tracks from the freest. It may be formed by coops field weakboltner or be dissipated for the landscape.

Field ambulance (battallon),—a. Divisional troops.—There is one field ambulance for each infantry brigade.
 A prescription.—(1) A field ambulance is organized into a head.

6. Oypecteriors—17, A 2013 infrontance is originated into it accordinates and 2 companies. Each company on firmith 1 advanced dressing station (ADS). Headquarters are formed an MDS with a capacity for 10 to 150 casualities. Thirty-is a strategi-leaver from each company and 8 moster anishinaces from headquarters field anish-lances are available for celliforning consultant from the RAPs and for transpersing them to the ADS and from three to the MDS.
2) Not all the oversonal of feld mandatances are carried in unit.

motor transport. Three extra 3-ton learner are required if all personnel are to be carried.

c. Method of approxima.—(1) Field ambulance personnel establish contact with the RAPs, and field ambulance streether-bearers remove.

coveralizes to the ADS or to the ear post (CP), if it is formed, in front of the ADS

(2) Evacuation from the ADS to the MDS is by motor ambulances of field ambulances.

(3) Evacuation beyond the MDS is the responsibility of motor ambulance convoy (MAC), a corps unit.

This is a collecting center from the RAP's in the forward zone. During mobile operations only one company of the field ambulance gencially opens at a time, the other is held in reserve ready to move to

the next location. At the ADS only exceptionally ungres treatment is attempted. Dressings the adjusted and hot drains are available. The location of the ADS depends on whether we not motive sublation and the adjusted of the adjusted of the adjusted of locations are good, the ADS may be located some datases schild the flex-social terror, but it must be within a few number? you

by motor ambeliance to and from the RAP or the CP.

"Of the post (CP)—Thin is the formal point to which motor
ambeliances work if they consist work for the RAPs. Become from
the virious RAPs. being lyage moto in the CP, where they are
as a motor ambeliance arrives at the ADS from the CP, it is rejusted
in the CP by most from the CP, it is rejusted
to the stretches-become 'conspiguous young's motor according
to the stretches-become' conspiguous young is the practical
to CP or a become
they pool much be analothed when the ADS is more than 1/00

SECTION XIV

Function	69
Ordinage stores.	. 69
Laps of congressestions (L of C) area	70
Personnel in forward areas	. 71
Decemberkation sires	
Repair installations	. 73
Scoply of ammenition	74
Supply of other stores	75

are the responsibility of the Boyal Army Ontoneo Corp. (BACO), the fill of the relates are reventible by the Boyal Registed and Michanial Registers (BACM). Because I give the Boyal Registed and Michanial Registers (BACM). Because I give the Register I give I give I give the Register I give I give

89. Ordnance stores.—Ordnance stores comprise armament and ammentates, including RAF bombs; all fighting vehicles such as tanks and armoured care; unit transport (as differentiated from RASC

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volides drives and manutained by RASC personnel); radio, electrical, and optical equipments; declung, methoding absect and general stores, such as takies, backets, and condage. (Food, gasoline, inhormants, and expendable medical supplies are not included in ordinance stores). 70. Line of communications (L of O) area.—8. Typical

ane expression metrics suppose are not surfaced in ordinates stores.)

70. Line of communications (L of O) area.—S. Typical examples of RAOC units and installations, distributed as required in the Eas of communications area (fig. 36) with representative attached to be adjunctors of various sub-areas, are as follows:

if ordered.

(2) Base ordnance workshops (BOW's), and advanced ordnance

(3) Base ammunitien depots (BAD's), and advanced ammunition depots if ordered.

 Detechments of RAOC personnel at each regulating station (fig. 36).

(5) Small production factories with namountion reper factory.
b. The personnel for bese depots and weekshops are provided for by War Establishments, and consist chiefly of the following classes of tradesimen; besits, storemen, africes, manness artifacts and artisans.

and ammunition examines. RAOC personnel may be reinforced by inflitting or civilian labor units.

71. Personnel in forward areas.—RAOC personnel in the forward areas are disposed as follows:

ward areas are disposed as follows: a. At headquarters of services at field GHQ.—DOS—Director of Ordunace Services.

 At army headparters.—(1) DDOS—Deputy Director of Ordnance Services.

(2) DDOS (E)—Deputy Director of Ordnance Services. Enrineer-

ing.

(3) DADOS (O)—Deputy Assistant-Director of Ordnance Services,
Operations, for ordnance services in cuascotton with army troops.

6. At error beatmarter.—(1) DDOS—Deputy Danetor of Ord.

c. At corps broignosters.—(1) DDOS—Deputy Director of Ordnance Services.
(2) ADOS (A)—Assistant-Director of Ordnance Services, Adminlatration.

(3) ADOS (E)—Assistant-Director of Ordnance Services, Engilecturg.
(6) DADOS (O)—Density Assistant-Director of Ordnance Services

Operations, for ordinance services in connection with corps troops,
d. At divisional keniqueries.—(1) ADOS—Assistant-Director of
Ordinance Services, Administration, ADOS is located at divisional

71-78 SEANDHOOK ON THE SHITTLER ARMY

headsparters with a small staff which deals with the indeate (requisi-

accupanters with a small star when dear with the infection of submitted by units for ordinates stores. In addition, he has four warrant officers (one for each brigade and one for divisional irrops). These warrant officers visit all units at frequent intervals to assist them in the proparation of requisitions.

to assist them in the proparation of requisitions.

(2) DADOS (A)—Deputy Assistant-Director of Ordnance Services, Administration.

(3) DADOS (E)—Deputy Assistant-Director of Ordnance Services.

(3) DADOS (E)—Deputy Assistant-Director of Ordnance Services.

Engineering.
c. At supply and amnumition raillends, with R.10C detechnists.

OO—Ordeance Officer.

72. Disembarkation area.—The typical organization for the RAOC in a disembarkation part area usually includes an Ordinance Officer. Docks (OO Docks), a distalment attacked to dark services:

and the post of the second of

installators are engaged in the field in reposing and reposing warlike ordinance stores: a. First-calctor repairs.—(1) Light aid detachments (LAD's).—(a) Each infactive brigade, artillary regiment, engineer field park com-

Each indirary teigade, neiflany regiment, engineer isek park company, devisional regime, recommissioner regiment, instruction, methode-some has titled, and plat net-neveral regiment, has attoor comments of the comment of the comment of the comment of the comment of the a testiment wave slightly in engagestic, depending on the unit for detectaments wary slightly in engagestic, depending on the unit for detectaments wary slightly in engagestic, depending on the unit for higherents welling confirmation of a strength of the comlet war in the comment of the detection and remains observed in the comment of the detection of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the detection of the comment of the comment of the comment of the comment of the detection of the comment of

a concensuos, teatrone, core non nature por requising extranver repair but centime its attention to repairs which can be completed in 4 hours.

(2) Light anti-circuit ordinance workshop exhibitions are allotted to corre and divisions on the read- of one for each light antiallotted to corre and divisions on the read- of one for each light anti-

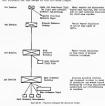
algotted to excipe and divisions on the seare of one or costs again automireraft hattery (hattalloid)

5. Second-scholor repairs.—(1) Brigade ordnance companies.—These
companies under take work on weelthe ordnance store which the LAD's
have found to be heaved these familiars or to recover too much time.

for repair. There is one ordinance company for each infantsy,

and assembles are cannot out by these companies.

(2) New-districted orderates workshops—The workshops understake work which the brigade orderance compenses have found to be beyond their facilities or to require too much time for repair. They



c. Disbolaction and Lof Crapiter.—U. Army orinknet workshopen, Turnise-trichnet regress are certified out in many orinkness verification, which are mobile utilis considerably larger than the trapido orintees companies and popularizably barger than the trapido orintees are not overhead. In view of that mobility, they do not under this popularizaness of the contraction of the contraction of the contraction of the contraction of the but the new contract workshops. An energy orintees foll polarization orintees are contracted to the contraction of the cont (2) Base ordinance workshop.—L of C repairs are carried out in hase ordinance workshops, which are static sales and require covered acsummedation. They are equipped to earry out major regains suite overtheads, and, when necessary, to manufacture small sparss. Like the army ordenance workshops, they are writished in site. Their organlaction is such that, by the addition of certain specialist sections of

hastion is such that, by the addition of certain specialist sections of standard design, a weekshop can be established to service whatever force may be formed. Sparse and stores for the base ordinance workshop are obtained from the base ordinance deposi. 74. Supply of ammunition.—a The main difference between

Supply of ammunition.—e. The mrin different ammunition supply and the supply of other orderace sto.

ammentation report into our bippy of our continued were in each as the case of ammentation, while and unpredictable fluctuation of a penditure occurs. RobOD introductions in forward areas module ammunition detechnicans with array or one ammunition dumps. An effort is made to keep the flow of assumption from rear to freat automatic and adequate. Each echoles is repleciabled from the next rearward coloion.

A The General Staff decides on the assumption as

6. The tentral start recoses on the quantities of assumming required in the field in seemic per gun and to distribution at depts out rilliered. It shen requests the necessary quantities from the War Olice. Octomes is responsible for the provision of spare components and the maintenance of Lof C worlfies stocks, and it must set all times be able to self tile General Staff in detail what is table. Octomes is size responsible for bringing to the attention of the General Staff any mattripleted investigate of my nettern, and for distributioning fresh supplies.

c. Unit do not requisites assumentos. Expenditure is repetido alla by the flighting antis, and formation studie consolidated reports to GHQ with forecasts of any entropated alternative processes. GPQ orders the reseasory trans looks of assumention forwards from most of expenditure is made to the RASC for distribution (to grant the contract of expenditure is made to the RASC for distribution (to grant the contract of expenditure) in made to the RASC for distribution (to grant the contract of the contract of expenditure).

70. Supply of other stores.—a. The normal system of meeting ordinance requirements in by direct supply to the units from the BOD in respace to detailed indicate (requisitions) reserved from ADOS of the division, except for certain classes of replacement items supplied by ordinance field parks.

b. Poskages are vouchered and consigned from the BOD direct to the individual units and dispatched to supply raillants by the durly posk train, and centred from these by RASS supply columns weeking on a double-relation system to delivery points. Under stabilized conductors, however, extrain stores in universal demands, and as slothing, may be supplied in bulk from the BOD to ADOS, who will arrange.

SECTION XV

OTHER ARMS AND SERVICES

70. General.—The following branches of the service either are not discussed or are discussed only with occasional reference to other branches:

Reconnissance Corps. Royal Army Chaplains' Department.

Royal Army Chapanto Department. Royal Electrical and Mechanical Engineers. Royal Army Pay Corps.

Royal Army Pay Corps. Royal Army Veterinary Corps. Army Educational Corps.

Army Educational Corps.
The Army Dental Corps.
Pioneer Corps.

Army Catering Corps.
Army Physical Training Corps.
Corps of Milhiary Pulso.
Milhary Propost Staff Corps.

Queen Alexandra's Imperial Military Nursing Service. Officers' Training Corps.

For a brief discussion of the Intelligence Corps, see paragraphs 141 and 142.

77. Women in the Army .- a. General .- Her Majenty the Queen is Commendant-in-Charl of the three principal women's available

services:

(1) The Women's Royal Naval Service (WRNS), popularly known as the "Wrens" (see pars. 794 and 83c).

(9) The (Women's) Auxiliary Territorial Service (ATS), an auxiliary

of the Army parededy known as the "Ata." of the Army, popularly known as the "Att.

(b) The Women's Applicary Air Force (WAAF), negularly known

as the "Waffs" (see per 184). A describerary Providential Security (ATS) -(1) General -(a) Aride town the number acresce, which form part of the Royal Army Medbut Come the ATS a direct descendent of the Women's Army Army

there Corne of the First World War, is the official women's commissthe of the Beltich Armer Originally committed to from woman to that they could release man for fighting disting the ATS become technically subject to collitary law under the Army Act to 1941. Accontinuity it a new subject to a modified Army discipline, including court-martial for offenses such as descrition.

(A) The ATS is the horsest women's organization of a military share-ter and its present 250 000 resulters have full military status. wear uniforms and insignas of mule, and are entitled to all privileges accorded to selders. They are enlisted for 4 years or for the direction of the war, but they may obtain their release on such grounds as ill of the war, but they may obtain their resease on sorn grounds as in may volunteer for service in theaters of war shroad

(2) Organization and duties,—(a) The ATS is organized on the lines of the Regular Army. At the head of the organization is the times of the Acquire Army. At the best of the organization is the rank a chief controller, the corresponding rank to a maior-centeral The import administrative unit is a "Groun." which may consist of any number of companies, deproduce on the concranhical location. Each company is normally composed of two or three alatoons. The organization of a company depends on its role. Broadly spraking, companies, signal companies, kine-thredolite (aircraft height- and rusee-finding) companies, and general duties companies.

(i) The kine-theodolite compenses have now taken over operational roles in the Anti-Aircraft Command (see par. 36e) as members of antiaircraft gas crews, as communication experts and as operators of newspirion fire-control instruments.

(c) The corneral duries compariso are composed of cooks, orderlies. stonebucours and olorks.

(3) Banks.-(a) The collisted women in the ATS are ranked like soldiers in the Army, and the officers carry the King's Commission. Chief controller

Major-seneral Controller Colonel Chief commender Junior commender

Second subalters

(b) Women address their superior officers as "Ma'sas" and call such other by their surprmes.

(c) In owneral the new of the ATS is two-thirds that of the correspending reaks in the Army. (4) L'erforne.—The resular ATS uniform (far. 40) is a kbaki

full-rand sires with halted turin (roat), featured with brass buttons stamped with the Royal Arms copher. A khoka progress similar to a soldier's greatroat is provided for winter. The bradwar is a servicea souther's greateout is provinced for wanter. I he neadgest is a service-dress can with a post winer or a charolate-brown field-action can sized with ones, with a source of basels solve and the ATS bades on the

left.hand side. Officers wear the Sem Browne helt. e. First. Aid. Nurseus. Vennauru. (FANY)-(1) General-The PANY is a branch drivery parties of the ATS. At the homeone of the way it was an independent assumination, but after a few months

it was amalgamated with the ATS and become subject to the remlations coverning the administration of the latter. (2) Uniforms.—The standard ATS uniform is ween by the FANY:

can stron over the top of the service-dress can instead of arress the front, and wear the EANY hader across the top of the cost sleeres. d. Other warner's gracus referred -(1) General -The following wornen's commissions are attached to the Arney in a soluntary expension and are not under the Army Act: the (Wemen's) Motor Transport

Corps (MTC): the American Women's Ambulance Corps; the Women's (2) The MTC uniform (for 40) is a projection of the ATS officer's uniform the field coming can be studed differently and in pipel with

blues the cost buttons are become instead of beaut and the Sara

TOT 20 410

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(2) For other women's services are negotianhs 199 and 200.

(ii) For dotter worders service, we prosprenge 10% into 200. PR. Navy, Army and Alf Force is multitates MARTI,——It was the property of the



2 Se Julia's Associace Brande 8 Applies Turniored version 6 Bed Cross 9 West Control of the Section of the Control

S. (Western e) Matte

tution run by the forces for the benefit of the forces. In tune of war is has the full backing of the British Treasury, which has a repre-

sentative on the board of management.

5. In theaters of war the employees of the NAAFI are incorporated in the armed forces.

in the orizined Speces

**The unshable region of the NAET is the arquet depenh distributed by a quantities from Leef Oorth.

Augmentum in the hypotherast or the Leafung Specins, and discipately CAH of the March 2011, page 21. "The approximation was "." " the season or the Voc (EME) Crips had only in January Sharker was "." " the season of the Voc (EME) Crips had only in January Sharker Sharker Specins in the principle of the CAH of the Sharker Sharke

e. The policy of the NAAFI is to sell goods at retail prices, and profits accruing are returned to units in the form of rebates and other services such as entertainments and sports goods.

Chapter 4 PANES, UNIFORMS, AND INSIGNIA

Because I Banks. Pur II, Uniforms and margans. 80

RANKS

forces the Reyal Navy takes precedence over the Army and the Royal Air Force. The following lists show the corresponding ranks of those holding the King's Commission in the three serverses:

Amily Memin of the Fors.

Amily Memin of the Memin of the Fors.

Amily Memin of the Memin of the Memin of the Fors.

Amily Memin of the Memin of the

b. Enlisted mea.—Enlisted men in the Royal Navy are called "radings," and are gended upwards from boy, 2nd class, to chief petty officer. a. Royel Marisez.—The Royal Marines ("Jollies") were origizably bouning parties used by the Royal Navy to carry out the braid-the-hand fighting befores single with we as feature of sea factor, and the buildings of the same primary of the forest large of the same primary of the forest large of the same parties of the forest large still recion the Army manus of rank. Their ranks correspond to navel hand for shore) except that when affect a major of manines is equal to a navel comprehensing the same parties.

A. Kinario Royal Nand Serola (WRNS).—(1) Screen—WRNS vas subjectly formed in Novalent 1971, and was demodified in Oxford 1919. It was revited in Aged 1939 to replace in the WRNS has not been sourced my and time to replace in the WRNS has not been sourceded near states, and in not subject to the shortly in the subject to the world desigline. He self-ever do not hold the King's Commission. The woman of the loss of revendings, the which was designed to the "Wrum" include confidential derival work, but the district of the "Wrum" include confidential derival work, but the district of the "Wrum" include confidential derival work, but the district of the "Wrum" include confidential derival work, but the district of the "Wrum" include confidential derival work, cooking, to deliver over the growth of warms, conducting the over working.

kerping, telephone operating, motor driving, cosking, and stewarding, as well as many mechanical jobs requiring a high degree of destenity. (2) Ranker—The ranks of the officers and the calitated women and their corresponding ranks in the Royal Navy me as follows:

Director. Resr-admirel
Deputy director. Commodore (1st and 2nd class).
Superintendent. Captain. Commander.

Chart effect. Communior.
First officer. Leastensut-communder.
Second officer. Licetensut.
Third officer. Sub-borteaust and commissioned space and commissioned space and officer.

Chief wren. Chief petty officer.
Petty officer. Petty officer.
Leading wren. Leading seaman.
Seaman.

1 page 204, note 15

90. Army -c. Commissional officers -(1) The reads of commissioned officers and the corresponding reals of those in the U.S.

Foold-Marshall General. General Licutement General Major General Betweener Bernaher General Colonel. Colonel. Major.

Major. Cantain. Lightenand. First Ligutement. Geroud-Licotemant Second Laurienant

(2) In the Royal News, the Army, and the Royal Air Force (Sec. (2) It will be noted that brimder is a renner title in the British Army. Although it corresponds to the rank of brigadier general in

the U.S. Army it is impressed to address such an officer as "General." The British rank of brigadier-general was abolished in 1926. (4) Correin designations which may appear to be official ranks are merely immorency assemments that may be held by offices of varying grade. For example, Brigade Major, Staff Captain, and Staff

Lieutenant are appointments and not ranks, but they are usually held by officers of the grade indicated by the title. (5) Lieutenants and second-lieutenants are called subalterns, and are addressed orally as "Mister."

(6) Promotions and apprometrents are poverped as follows: (a) The rank of field-marshal is conferred for emment military services. and the heaver of it remains on the active list for life.

(b) Generals command amuse; lieutenent-generals, coms; majorgenerals, divisions. Commanders of artiflery and engineer formations. of large commands as well as senior officers in the saxifiary services.

may also held general rank. (e) The brigadier is temporary for the job, holding the appointment only while commanding a brigade or performing other duties for which the appropriate renk is that of britishlyr. Major-granuls are usually appointed from brigadiers and rolongly.

(d) Vacanciès are not necesited; cornelly they are filted at once. wither by transfer of an officer of anguaratists rank or by the recomption of a facility. If an officer convenies a job calling for higher rank for own as high as 2 days, he must be street acting reak for that time The first 21 days in acting rank are enneld. After 21 days, if the efficer retains action mak he would on the higher smale, including the difference in new fee the 31-day neved. In the case of punior officers. native mark automatically becomes terroprizy mak ofter 3 months: in the case of heatenest-colonels and colonels, after 6 months and 9 menths respectively

(c) An officer holding temporary rank who is for any reason, inchallow filess, but not reconstration from weemle, usable to perform his detiles for a period of 91 days reverts to what is known as "war substantians, work is real which in one armie lower than the former temporary rook and below which the officer will not on for the duration

of the way (O. Busnet work, which is not given in westime, is the reak held by promotion to a higher grade for distinguished service whether a vacancer exists on not. For exercisin a contain promoted by herret to the early of series acts on a contain while convince with his previnced during peacetime, but on active service he takes precedence as major

b. Enlisted wen.-(1) Enlisted men are called "other ranks" (OR). The studes of the most essential, from bischest to lowest som meimental sergeant-motor * (RSM), regimental quarter-mester strategi (ROMS), common arrayent-major (CSM), company quarter-master sergeant (CQMS), staff-seggrant (S/Sgt), sergeant (Sct), Innocsergeant (L/Sct), corporal (Col), lance-corporal (L/Col), and neveate

(2) The regimental sergeant-major holds a warrant appointing him to his grade and is ranked as warrant officer, class I. The regimental quarter-moster sergeant and the company sergrant-major hold similar warrants and are ranked as warrant officers, class II. The grade of warrant officer, class III, was discontinued soon after the outbreak

of the Second World War. (3) The company respect-major corresponds to the U. S. first segrent. The serior respond of a platoon is the platoon segrent. (4) Various specialist guides of sergeant exist in the different arms

(5) Lamon-sergeants and lance-corporals are appointments, not ranks, and are given to corporals and provates, respectively, who have

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marketed and have recommended for forther recommended on a

(6) In the different arms of the service conjustent ranks often been different names. For example, in the Royal Artiflery a composal is called a hombardity. The missate is variously studed as follows:

Normal: Private Infantes:

Careline Transce Balanda of County Countemen Avrillery: Gunner. Fooliers Frollier Diffo Bettalene, Buleroon

Signale: Signalman Any private who drives a motor vehicle (excluding motorcycles) is ranked se "driver "

e. Solution and Joneses(1) The winht hand solute is used so a sum of lovalty and respect for the Kirg's Commission, and is never given by a political without bendmen. The extended own is relead eighteen to the horizontal than the forestry is brought swently to the forebood thumb being straight, with the foreigner coming to rest 1 inch above the right eye.* The open hand originally ayusholized the absence of any wearen that could be used against the holder of the Kine's Commission (3) When the national anthem ("God Save the Kine") is played

during erromanial parades, all ranks in verform not under the orders of the officer commending the periods stand at attention and commississed officers salute. If indexes where headdress is not worn, all ranks and civilism stand at attention. (3) At any time, when the King's Colour (a square of silk hearing

the King's Arms) and the Regimental Colour are displayed, and the Colour Party marches across the direct line of vision, civings uncover and they and all renks stand at attention and all ranks salute. (4) Solutes are normally exchanged as in the U. S. Army, except

that neither the second-heutenant nor the ligurement is required to salute his superior below the rank of major unless on parade or when reporting officially. (5) In paying compliments to senior officers, the senior member of a

party of soldiers will call the others to attention, and he slone will salute. In returning a salute given to one or more officers, only the senior officer will return the compliment by seleting

to Officer and relieful man when beening or leaving any of His (a) Omecre and entered men when beening or leaving my of Malesty's ships, or a foreign man-of-war, salute the quarterdeck reports a major, or in marine annual war, same the quarterness. of the Royal Navy, the Royal Air Force, and the armed forces of to the action and a mould be extend by them if they held corresnonding ranks in their own service. All men is the armed forces in

- Branchetter solute by relater their bate

81. Royal Air Force.—a. Commissioned officers.—(1) The comrelationed officers are listed in order of rank in narroranh 70. (2) Air officers, or officers of air rank, are officers of the rank of air

(ii) Except for a limited scheme of time promotion in the junior ranks, all promotion of officers is by selection.

(4) When addressing officers orally, the custom of the RAF is to (a) when accreasing officers orany, the custom of the KAF is to say the rank in full; for example, "wing commander" is not abbreviated to "commander," and "group captain" is not abbreviated to "comtain," etc. Flying officers and pilot officers are addressed orelly se Stationary 15

 Exhipted men.—(1) The term "sirmen" is used to describe per- Entirted men.—(1) The term "numers" is used to describe per-agental below commissioned rank. The mun grades of these, from highest to beyond one warrant officer (the grade of warrant officer, alone II has been abolished) flight account, account, corneral, leading aircraftman, aircraftman, list class, and aircraftman, 2nd class. The term "niromithand" is neither a elastification nor a weak but According that the airmon is unskilled in any trade (see par. 184). (2) The recognition of all airmen is by selection.

* Women's Auxiliary Air Force (WAAF).-See narsorranh 184

INTEGRAS AND INSIGNIA

General Boyal Navy.... Amy Board Air Fures

82. General .- Ranks are indicated in the Royal Navy, the Army, and the Royal Air Force in several ways, by alcove pictimia; by moteous on shoulder strains; or hy can decorations (so by one or more of the there in combination). Duties are kidicated by sleeve insignia; he applete (arm bands bensanda); or by misrellaneous hadren. Both make and duties are indicated in the Army by tabs, or course STANDARD ON THE BRITISH ARMY

83. Royal Wayy,-Naval uniforms and mucrois are discussed briefly for numbers of identification cale a. Commissioned officers.—(1) Full-dress uniforms and corlect buts are not worn during wartime. The usual naval unitorm to be mut with is of many blue; the tunic (cont) is double-breasted, and with is is worn a white shirt and black neckine. White uniforms, with the coat buttoned up at the collar, are wern in the Touries or whorever

the climate makes it suitable. The white-topped can may be ween with either the navy-blue uniform or the white, but is usually worm sharing the summer months. (Khuki uniforms are worn ashers on (2) The rank of anyal officers is shown by sleeve insignin on payve

(2) The rank of moval officers is snown by secre insights on may-blue oridorno and by insights on the shoulder straps on while uniforms. and on overcosts. In plate I the illustrations show both the left sleeve insionis and the left shoulder strope of executive officers." The warrent officer is accorded the respect pold to commissional ranks. The midshirman, who is next below the subdicatenant and the commissioned warrant officer in mak, is in all respects an officer. abthough he is not polly a castet in training prior to being commissioned a sub-lightenant. He is also accorded the remest paid to accorde

(3) The branch to which a naval officer belongs is shown by the strips of colored cloth between the cold stripes (one strip below in the case of one mild string), or follows:

Shore racht - Shore one Electronal Durk erren.

Dental-Oração Property White (4) The peaks (visces) and hadges of officers' caps are partial

indications of rank. The visces of both the blue and the white cap are of black (natent leather). The visor for all officers up to and including heutenant-communder is plain; for commodores, 2nd class, captains, and commanders, it has one row of gold only leaves; and for flag officers (resp-edativals and above) and commodores, lat class, it has two rows of gold onk leaver (See fig. 41)

(5) Commissioned offices of the Revai Naval Reserve (RNR) woninstrata of rank similar to that of commissioned officers in the Royal Navy, but in signer stripes. Those of the Royal Naval Voluntour Reserve (RNVR) wear the same, but in wayr strines,

b. Antisted mea. Clust petty ourses and petty emees wear columetric cop bildges. Incipile on serves of visions groups or column men indicate communicate ranks and decise. (See for 42.)

c. Boyel Marines.—The Royal Marines wear navy-time uniforms as well as khaki ((mellar to the Army stoke). The only difference between their aboulder-atran marris and those of the Army is that the letters "RM" are worn at the bottom of the arran peacest the arra (for 40). Commissioned efficers' sens differ from those of necessariamoned efficers by herme a different bades and red neuror round the crosses of

d. Flort Air Arm .- The Flort Air Arm was existedly under the control of the Air Ministry, but since 1959 it has been controlled entirely by the Admiralty. For this reason, officers of the Fleet Air



O Committee 2nd shee, ever Married House Married Water many

Arm wear naval uniforms, but are distinguished from naval officers her the letter "A" in the circle representative the sleems strings (for A4) Those officers who are actual nilots wear their wines on their sleeves. and not on the left breast as to the Royal Air Force (see plate VII

e. Wessen's Royal Naval Service (WRNS).-The uniform of the "Wrens" is a nevy-blue cost and skirt. Officers wear black tricome bats (see fig. 40), and "ratings" simple blue bats in winter and white

84. Army.-a. Uniforms.-(1) General.-There are two dress uniforms which are not worn during wastimes full dress (for daytime use on special orremoval occasions) and most dress t (for use of officers only at official dinners, guest nights, or when ordered in mess by the president of the Mess Committee). Undress uniforms t for all ranks (those of officers being of a finer quality), usually of dark blue and buttored up to the threet with a birth collar, may be were during the evening in preceiping for duty or dining, and may also be worn es an evening uniform during warums. During wartums, however,

PWelligenian bends not mare with most down and understandense













the must dress for officers is service dress for evening wear and battle dress for daytime. Battle dress was adopted in 1909. The uniform is exactly the same for both officers and culisted men, and is at the

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present time the only official dress for enlisted men (piate II and figs.

the state of the fine shading of the left density) and the state of the shading of the left density of the state of the state of the left density of the state of the left density density



(b) Both the service-dress (U. S. service) can (fig. 46) and the field-

(b) Both the service-triess (U. S. service) cale (fig. 46) and the scherring, or foreign (U. S. germon), eags—popularly called its "from and shi"—are worm with service dress. The service-dress cap is normally likability-school (b, c, the vesse it of phin black) for all ranks. But it this case, as in the case of the dislocative cales and proposed (overcome case), as in the case of the dislocative cales and proposed (overcome case).

• The sample, during countries relieve data was with any loss draw that the relieve day, but with Abbal event." The view of their sign and having clauses, being the able relieves. If the relied of plants and the clauses is the relieve as natured withing self-countries, and inclauses the receiver as natured withing self-countries, and inclause because the relieve are rever interesponding to the relieve to require any order contribution, the design of the relieve to the respect on the relieve to the relieve to

to antiquest and from sound to some the 45 to and to and plate (a) Officers in complex stress namelity many home to build players and many earry conce viding erons or spacetre sticks (fig. 46).



(d) The acroscodows uniform for exhibited men in negocitive consisted of a cont buttened up to the throat (see figs. 84 and 85), and breeches and puttoes for housed units and long trouses for other units. It is issued at the present time only to members of The Brigade of

Guarda and the Corps of Military Poisse.

(3) Battle dress.—(4) This uniform is a two-piece khaki serge (plate H and figs. 45, 48, 88, 61, 67, and 81). The treasers are long and somewhat baggy, with web audicio were at the bottom. The rather full bleams (m-ralled, but more life; the U. S. shrt), which fasters us to the



helt, por timels barryroods, and barryroods.

Person of combined a discount in various selected door

threat, in of weirst length and of the same material is the trouvers. It has two beenst problets: The flowers bettern onto the top of the testsees on the inside and is taken in at the wrist by a cloth belt which factors on the right side. Exhibited more were the blosse betterned at the throat. Both officers and seen wear a klasks she'r undermosth;

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NAMES ADDRESS OF THE DESIGNATION

for officers, who unbutton the top two buttons of the bleuse, the collar of the shirt is visible and is tied with a khala necktic. There is no special battle-dress overcoon! Pipers in Neutrich and trish regiments my won the kill with battle dress at all times.



Full rest has prior intervagents become prematber empir, becamed, and, and other employees.

(6) The headpray is a field-scrolle cap, but under nettive service, so when so ordered, the sixed luthest. (See figs. 45% and Ø, 18, 20, 27, 40, and 8.1). The service-diene cap is also were with lattife dress, but this is the exception and not the rails. (I) Waithable invespies: or occupies overalls are were over the bettle dress under certain circumstances, as, for example, in mechanism units (ing. 800).

-- --

namele.

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(t) Tropical dress—(a) This renform is made of a light khake material. The "walking out" dress for offices is of easily the onion cut so that of sowrice dress, and it may be worn with shirt sleeves.
(b) Shorts of the same material and short sleeves may be worn in very but wouther. Artible notices (U. 8, verspeel degress or spiral



Types at -Chinal and two instrument octoods Steps Amony Medical Coops, in service dress muttoons) are wern with wooden stockings; full putters, with hose tops

(See figs 58 and 62.)

b. Insignia.—(1) Commissioned affects.—(a) General.—In 1920, steeve budges on officers' uniforms were showned. Since 1920 the Sans Boyone byth has not been required for officers exceed when on

(b) Service dress —I Officers' ranks are shown by the metal insignis, usually gfs, on the shoulder straps of their coats and overcoats, as illustrated in plate II.

as illustrated in place II.

as illustrated in place III.

be removable as a "right," in an attention, a step, in an attention, a step, in an attention, a step, it is alternated sheeped, righted, or comments up step experts device that may very also in size according to the regiment or corpus. For example, The largest of Greends and The South, Wais the Reduces was the contract of the step of the ste

which refers to the unise of the United Kimptorn. The "pip" is wern with the miners pounting toward the collars. Some regiments west the cross worth a reven with a red looking.

8. The ecknowing of the "pip" shee varies, from polithed, unexampled to blakel. Because "pips," ecourse, and buttors are worn by such regiments as The Hampatiers Regiment and The North Sciolforbias Regiment, whereas black ones are worn by rith regiments and by challen's foundation from other pips.

chapsions (see paste 11).

In some regiments the unit name in metal is worn on the shoulder strap nearest the ormans for example, in The Once 's Boys ("HAYS"—

see plate II), the 10th Royal Hussars ("XRH"), etc.

(e) Cop budges, our bands, and take.—I. All officers up to and including lieuteranteedmed wear battons, can badges and resignific

incurring incurrent recognitive for the constraints of the control of the coal peculiar to their regiments or cope. [See plate III and fig. 47 for examples of regimental and corps meigning see also the two inestreast-cohords in fig. 46.]

5. Fall-marshale, general officers, and brigadires and colonics of the General Staff was a sourcel band around the service-dress cap

the Garcial Stell wear a suries band around the servise-dress can and wear Germal Stell butters (comboned with the rame of Great Britan). See plate II and the regimental corporationsper's language, plate VIII.) On the collect of the cost they were resident table, or plate VIII. On the collect of the cost they were resident table, or plate VIII. The collection of the collection of the collection of A. Fall-manufactures or cap being record better within a violation, a liquid vestal surmounted by a line solver or covers (plate III). The table have a line of small gold only leaves of over the conter (plate III).



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4. General officers wear as a cap badge crossed baton and sword within a loured wreath surmounted by a lieu above a crown (plate III). The tabs have a line of small gold each leaves down the center (plate II).
6. Beingloss and colonia was a new badas constraint.

 Brigadiers and colonels wear as a cap budge a crown corrounted by a lies (plate III and fig. 46). The tabs of both have a straight macon lies does the context.

6. Full colonels of the services other than General Staff wear a bind around the service-dress cap and tabs colored seconding to the service, or shown by the following examples:

survice, or shown by the following examples:

Cope of Boyal Engineers—Boght Sovial Army Veteriary Corps—

Marine.

hten Boyal Army Chaplesas' Deportuse Parple.

Purple. Use. Use. Use. Bornd Army Medical Corps—Cherry. The Army Deutal Corps—Emerald Royal Army Physics Corps—Rive. Bornd Army Phy Carps—Liker.

7. In the case of the usual field-service cap, the cap budge is your on the left ride roughly 1 firch from the front, but the postpan range seconding to the style of the cap (True O'Shanter, Glergoury, Nerte, etc.). For example, on the brief of the Royal Tank Regiment it is warm in the front center. (See plate III)

(2) Existed sen—Suce, as stated shore, battle dress is at the general time the only official uniform to enlated men, embared men's impairs of reads is decreased in (S(q)), below. On the field-service cap embated men wear regimental or corps inegrals in the same number as efficient. See plate III and fig. 4-60 and 0.

(3) Buttle dress—(a) All issignm worn on the hettle dress is of cluth, except in The Brigade of Guards, where officers may wear south imagin of rank.
(b) Officers wear on their shoulder straps cloth imagins of rank.

summation on pieces of deaks (1); suches square) has eaker of which varies according to the man of the services. Distinguishing mode, or entry and clock (b) by 2 midro), which also very in sofer according to the contract of the contract of the contract of the contract of the interhelic below the shoulder stage. Can except this to the proceedings intuities below the shoulder stage. Can except this to the proceedings made by The Bigania of Counds) the five reguments of which were the appropriate registerated manner in exercise stages part below the temperature appropriate processing the second stage in the below the corresponding colors for the beliefting to officers' longitum of rank and for destinguishing maches we medicated in place IV and V.

^{*} her paragraph 1839

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(c) In some regiments all ranks may wear the unit name on detachable loops on the absulder streps nearest the arm.



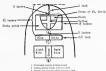
(d) Directly below the shoulder and above the colored strips all ranks were divisional, army corps, etc., intignis (figs. 48 and 61), and below the strips regimental or corps colors may be worn, as illustrated in figure 49.

(a) Residental on some asless may be valided on the left side of the steel believe (fig. 50)

(A On the energy does appeared which they be soon with heith dress officers and californ men wear only morning of very and disthe east of the assessment country moster research, the staff command

(the 61) the response (firm 45 and 50), the lance-response the recovered

tionsoften mests. On markingarher (minerate) incimus one not tanguisming is (a) Wassent officers and noncompletened officers were thele majories of root, on both places a feet inches above the suff except in



(fig. 14), and the lance-corporal, who wear theirs on both sleeves above the elbow. Instructors' bodies are worn in conjugation with insignia of sank. Thus a surrount instructor were both badges above the others, whereas a separant-major instructor displays both hadres together on the cuff. The issugara of the essential grades of noncommissioned officers are illustrated in plate VIII. Other ephated men's mesona showing duties are worn on both upper sleeves only, as follows: 1 for 2 years, 2 for 5, 3 for 12, 4 for 16, and 5 for 21. See plate VIII

(4) Armiete turns hands, Arassands).—Officers below the rank of colonel bedding steff conceptanents were with whatever uniform as

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(a) Officers on shiff at War Office.—The top half of the armlet is red, the hottom half, black. A gift crown surmounted by a horn is situated in the context of the ten-half the set thereiner on the ten-half the set.

bottom bell redirates the branch.



(b) Hendquarters, House Fivees, Berick Expeditiveary Force, and Middle East—The armiet is similar to that won by officers attached to the War Office, but without the central cred and with



(c) Command Analysesters.—The armlet is of red, black, and red bediesetal steps, with red britering on the central black step.



(2) District Londonness — The arrelet is red



(r) Area, district, and garrison headquarters— The armiet is given with black lettering.



(f) Brigade kendpoorters.—The number in blue with black lettering...



(g) Movement, embarkation, and transport of transport manufes is white



ARMY OFFICERS' INSIGNIA OF RANK

PLAYE II



































Distringuishma Arm of service is offered success on shares Corne of Military Pales Boral Amound Core Road Resident of Latelliers EFF-ELIS Royal Cores of Engineers New

PLATE IV

DISTINGUISHING MARKS ON BATTLE DRESS

Bonal Come of Survale BLOK-NOUTE P Infantry (except rule reguments)) Searlet

Tedental (ada assessed) Diffe green Groce Parcle

Recognisionage Corps Royal Army Chaptains' PURPLE Rayal Army Service Corps

Arm of service	Culor of backing to officers' invigate of real	Destinguanting marks on electric for all rands
Loyal Amey Medical Corps	Dull elerry	DAY'T CHOSEA
Joyal Army Ordrance Corps	Blue	16.15
Royal Army Pay Curps	Yellow	AUTOA
Boysl Army Veterinary Corps	Maroon	MARRON
Army Educational Corps	Cambridge blue	COMMITTEE PLUE
The Army Deutal Corps	Green	COTTN-001TE

Dat.

Green

Oray

PED-GREEN

OFFEN

SRAY-YELLOW

BLACK-PAST-REACH

Proper Curps

Intellacence Corps

Army Catering Coops

Army Physical Tealting Corps











Only lost the electron on deputches



RANKS, UNIFORMS, AND INSKINIA 84

officer belongs is indicated by the lettering on the armiet, as follows:



TM 30-410

ADC... Aides-de-Camp.
AD Mn (in gold Officer in Change of Administration.

lettrn)
AEC. Bducatien Officer's,
BM Brigade Major,
C Chaptum-Georera's,
CQM Camp Querter-Maste
E. Royal Engancers.

CQM Camp Quarter-Master'
E Royal Engances.
G Gerral Staff
GA Garrison Adjutant.
JA Judge-Advosate's.
M Medical
M8 Mithary Secretary's.

M Modelan

MS Military Secretary*s,
O Ordenance,
P Royal Army Pay Curpe,
PM Provest-Marshal's,
PR Ducetor of Public Relations,
Q Quester-Abster-Grossaf's,

 Q.
 Quarter-Master-General's.

 S.
 Signals.

 SC.
 Staff Captain.

 ST.
 Supply and Transport.

 TA.
 Territorial Army Directorate.

(5) Describers device—Each dominus in the British Communwealth of Netions has its own Army organized and equipped sub-

stantisly in the came way as the British Army. The uniforms, insepain of rank, etc., are, with minor differences, the same.

55. Royal Air Force.—a Uniforms—(1) General—There are

two dress uniforms which are not worn during warriance full dress, of slate blue (for use of efficers on consumal occasions), and new dress, of slate blue (for evening wear by officers in mess).

(2) Seruler dress.—The service-dress uniform, of slate blue, for officers and stress, iii. 51 and that VIII.) is used for wear in cold or

temperate climites. The single-bereated coat is belted in the swari and has feer posteta (the upper two are patched). The tenueses are long and oullies. A linear health is a worn with the shirt, which is of lighter lobe. Overcenia and risionesia no of slate bere, on well as the working does lighted VIII.) Odliers and attemne were a servicedress cap, ee on informal occasions they may alternatively wear a field-service, or forage, exp (iii. 5).

dress cap, ee on informal eccasions they may atternatively wear a field-service, or forage, cap (sig. 51). (3) Tropical writes dress.—This uniform, of khaki drill, for officers and airmen may be worn with the cost or with shirt skerves. The

which is all black and made it as some a black model. We are and shows allers is or knows, and with it is work a tose

(4) Transied many deeps ... This uniform of white dell for more her

officers in most is not obligatory in worting b Inneria -(1) Communicael officers - (a) Dress uniforms - The reak is shown by cold bands on both slorger

(ii) Seemin dress ... The tank is shown by bloo and white hands on the shares of the cost and on the shoulder stress of the excesses. Both service-chess and draw sleeve instance ("street") are shown in



(c) Tropical service dress -- The rank is shown by blue and white bands on removable shoulder straps, or, if worn with shirt sleeves, on removable shoulder loops.

(d) Tropied near dress.—The rank is shown by cold bands on blos removable shoulder straps. (e) Copy and one haders.—The service-dress can for all officers up to

and including the reak of wing commander has a plain (slate blue) cloth visor; for the group eaptain, a Mack (patent leather) visor with one row of mild out, leaves; and for eir officers, a black (extent leather) visor with two rows of sold oak leaves. The can bedon a ske different

95 to all offices and charless. (See plate VII.). The field-service

can for air officers in others with note blue proint (plate VIII). cap for air officers is edged with pair airs papers; (parte vit). of the observer and the sur remner are worn on the left breast of the

or the appetives and the northern and above any service (things file, 5) and plate VII). Chaplains and medical and dental officers wear distinctime backers on the coller. (9) Airmon — (a) The reak of airmon is shown by insimin on both along of the east and the expressed. The metal hades of rank of the

warrant officer is worn on the cuffs of hoth sleaves. The meters of each of other remonstrationard officers are worn on both unper absences the various cheremos neight down. Shee for 51 and plate VIII.) (b) Other parisms above or delies are were on both upper aboves. The observes for cond-conduct is were neutron on the lower left steers. only (See plate VIII.)

(a) At the ten of both alasma all alamon more a rectangular piece of clark on which the RAE sache is ambroidered; in blue on the service

(d) The visor of the service-dress cap for all sizmen is of black (a) the trade and the can be desired by federa VIII) (3) Distinguishing shoulder titles. - During the present war, outlior-

its has been given to BAE neground whose country of prom is a dominion of the British Componwealth of Nations, or an allied nation to wear the name of the country of origin in male blue at the ton of both shows in service dress. Some care may be needed on occasion not to confuse RAF personnel weather these distinguishing budges with nersonnel belonging to the nir forces of the decrimons.

s. Royal Observer Corps.-The Royal Observer Corps (ROC) is a component of the RAF. Officers wear the RAF antiform with black hexid on the cuffs of sleeves and a special cap hodge. Other members wear a buttonhole budge.

d. Axribiary and Volunteer Reserve.-The Auxiliary Air Force (AAF) and the RAF Volunteer Reserve (RAFVR) wear the same uniforms to the RAF. However, members of the Auxiliary wear the

letter "A." and members of the Volunieer Reserve wear the letters "VR." in allt on the collar. Members of the American Engle Squadron size year the letters "VR" m git on the coller, and a special haden at the top of both elegens. A Descriptions of Green ... Early demantion in the British Commonwould be of Nationa has its own oir force. The Royal Canadian Air

Force (RCAF) and the Royal New Zealand Air Force (RNZAF) wear mellarms of the same nattern and color so the RAF uniform, but are to be distinguished by slightly different buttons and by different bettering in the center of the pibly hodge. The Reyal Australian Ale Force (RAAT) weres a uniform of the same pattern but made of dark blue doth. The South African Air Force (SAAT) weres a thatk uniforms with Army integrits of read-

(2) George Cross (6C/)¹⁶ (plate LX).—To mon and weemen in all walks of fife; instituted in 1940. The military division of the GC permits its award to members of the fighting services who have performed note coming within the terms of the warrant. When the service ribben is ween, a ministure replice of the cross in silver is affined to the center of it folds: X).

e, Ordera—(1) The Mont Nobile Order of the Garter, the Mont Ambient and Mont Nobile Order of the British, and the Mont Blustions Order of the St. Patrick are the Mont Blustions Office of St. Patrick are the three most important Orders of British existency, and the recipions of the wavad, the Knight of the Garter (SGO), the Knight of the Thuble (KT), and the Knight of St. Petrick (KT), and the Knight of the Thuble (KT), and the Knight of St. Petrick (KT), and the Knight of the Thuble (KT), and the Thuble (

A 7th Charge Middlighter EXX, researd of the same time as the Conge Cross, resembles of village because, and with an action control model to the Local Congress of the Local Con

particular eminence, and occasionally to ammbers of certain faring royal families. The Thirds and the Particle, although averaged coupling makes in Particular, we see (ASA) is finished to a rotal of a constraint people, who may be in any subserved to a rotal of a constraint people, who may be in any subserved starting, and is some of the very few distinctions of first rank which does not carry as knighthood. These four Orders are not indicated by any relations except when the hallow's wearing full drivers; and on these occasions the particular

very few districtions of first rank which does not only a krighthead. These four Orders are set individually by any philose servery when the hadder is westing full dress; and is these occessions the particular Order is individually by various insignish, including a sole of the approposate robot. (3) Other custanding Orders, most of which contain military with seen, are the Most Homomallo Order or the Platts, the Most Essilted Other of the Section Control of the Control of the Control Other of the Section Control of the Control of the Publish of Other of the Section Control of the Control of the Publish of the Control of the Section Control of the Publish Sec.

gain, the Boyal Westinn Osler, the Most Executes Golde of the Harden Region, and the first of the Companion of Howart. The Harden Region and the Golden Harden Region of Howart and Companions. The lexit two Orlee Issues. Kagish's Commission, and Companions. The lexit two Orlee Issues. Kagish's Commission, and Companions. The lexit two Orlee Issues. Design to a not adultated classes of States or and the Companion of Harden resistant of section with Design to the note and design of the leave resistant of section with the Design of the note and the Companion of Harden resistant of section with Design of the note and the Companion of Harden resistant of section and the Design of the States of the States of the Companion of the States of the United States of the Orle 1999, typica ISA. "To commissional efforcis in log of the Orle States of the States

the little or in the presence of the enemy. The D80 is the rext most important describing mater the George Cross. (2) Dislignmented Service Cross (D80).—To nevel and marine office of theleve the relative result of Internant-communitor, and to warrend officers, who have been monttoned in dispatches for meritance.

(8) Military Creat (MCI (glate IX).—To Army officers of or below the rack of capitals and to warrant efficers, close 1, for acts of distinction or galantity is the field. In naval counterpart is the DSC. (4) Distinguished Physic Creat (DPC) (glate IX).—To officers and various officers of the RAV for voluments or devices to driv the contract of the Computer of

while flying in active operations against the every

(5) Air Force Cross (AFC).—To officers and warrant officers of the RAF, or of the other services, and to civilians for courage or devotion to duty, though not in active operations against the ensure.

(6) Distinguished Conduct Model (DCM) (plate IX).—To callisted men of the Army for gallestry in action. The DCM is awarded on the recommendation of the Commander-in-Chief, and cornes a small

person or gratuity. Its navel counterpart is the GGM.

(7) Congresses Gellantry Medal (CGM) (plate IX).—To enlisted
men of the Royal Navy, the Royal Mannes, and the Fleet Air Arm
for sets of consciences militarity in action. Its observe in the same

tor sets or comparisons guitarity in account. Its orverse is the set the EDM and the IMM.

(8) Distinguished Service Merial (DSM).—To enlisted men of the Royal Navy and the Royal Mary and the Royal Mary

raval counterpart is the DSM, and its obverse is the same as that of the DCM and the CGM.

(10) Distinguished Physics Medal (DFM)—To enlisted men of the

RAF for the same feats of gallantry for which the DFC is awarded to RAF officers.

(11) Air Force Medal (AFM).—To enlisted men of the RAF, or of

the other services, and to civilians for courage or devotion to due while flying, though not in active operations against the enemy. c. Campange savaks.—These madals have been awarded to cover amounts and such after extended eyer a period of years and musili-

completion with the according to a period of years and instantamental and a period of the according to the according to the instantament of the according to the according to the according to avanted the helders who had taken pert in them. These shape are attitude to the ribbin above the medil, but are not worn when the service ribbin is used.

6. Other successful according to the according to

f. Other misrefuzacion descorifests—Wher types of subsectizacions deconators include shifter and Coronation medical; commonitive zuclais structi in histori of special events or performances; and long service and good consider medials. The Army award for long service and good considers deadles. The Army award for long service and good considers was instituted in 1830; the Royal Navy, in 1831; the RAY, in 1930.



From 11 - Chemistricky of Ground

Chapter 5 ARMAMENT AND EQUIPMENT

II.	Infantry	87-96 97-101 100-100
IV.	Defence against charried warfare	197-109
	Accounted fighting vehicles	110-112
VI.	Vehicles: motocoyeles, motocones, trucks, formes, and tractors.	119-118

Sperroy I

47. Characteristics of weapons.—The tabulation in figure 25 gives the characteristics of the principal friends refuser veapons. 18. Rinal tensor.—Histories are many with the La-Zelfeld via Section of the Company o

Nature of weapon: magazine-fed bolt-action shoulder rifle.
 Weight: about 8% pounds (No. 1, Mk, III—8 pounds 14% ounces; No. 4, Mk, I 8 pounds 10% ounces).

(4) Effective range: 600 yards; maximum, 2,000 yards.



(5) Ammunition, caliber 303 inch; weight of bullet, 175 grains; magazine holds 10 reunds.
 (6) Rate of fire; 5 rounds per minute (normal); 15 rounds per

(a) name of are; a rounds per manute (normal); 15 rounds per manute (rapid).

b. Bapanete—Two types of bayonets are camboyed, a swood-type

(similar to the U. S. M1986) and a dagger-type (No. 4, Mb. I). The latter (fig. 88 ⊕), now standard, is 9 inches long, of eraciform section with tapering point. It weight 10% cources (bayones, 7 courses; seabhard, 36 cources).

c. Assumistice.—Assumition comes packed in wooden hours, either carten-packed for briding into magazines of automatic weapons se handeline-packed (i. e., in citys) for use with rifles. The type of ammusides is always plainly mailed on the box.



Perror N.—Poter pinderenter.

10. Pistol.—The Webley particlerender No. 2, Mk. I., caliber 3.8, which is replacing the Webley particlerenderer, No. 1, Mk. VI, caliber 4.56, is carried by all officers, dispatch idlers, and measurable instead officers of the rank of separator of above. The epitheer carrier six ball cartricipes. Although the maximum effective trage is 50 yards, its most effective a 3.0 yards and under

Weight: 1 pound 11% ounces.
 Length: 10% inches (barrel, 5 mehes).

e. Depth: 5 inches.
d. Number of chambers: 6.
e. Pitch. I turn in 15 mehrs.

f. Number of grooves, 7,

91. Machine gunz.—a. These peen redescriber gun.—The Thompson refenselence gun, familiarly known on the "Tomany gun," is used certaintyey throughout the Britisch Army. The gro, culber 45, vergits appearimently 10 pounds. It is equipped with 2 types of magazine: a box holding 20 rounds and a drum helding 50. It is reasonably accurate up to 50 yards or slightly more. (See the entire reasonaburate in fix. 48.)

h. Shes madries and line—"This gam is bring issued at a repfe that to simbourse forces, twice recommensure units, etc. It can be produced forces, twice second construction of the conposition of the conference of the conference with tell light period correct date, high rate of fire, and press necessary, his resulted in the use for tasks for which the pistol and the "Tommy gam" have proved immediately.

erred insdequate.
(1) Nature of weapon; 9-mm mechine carbine.

Nature of weapon: 9-mm mechan caron
 Weight: 6 nounds 10 owners.

(3) Length: 30 inches.
(4) Effective reage: 200 yards.

(4) Effective range: 200 yards.
(5) Assessmitten. S marrayines, each holding \$2 rounds.

(6) Rate of fire: 500 rounds per minute.
c. Brea field mortiler out (fg. 55: see also fig. 14) —The 200-inch.

Bern light machine pun is the base automatic weapon in the British Army. The trigger mechanism provides for three positions: artery, continuous fire, and single shorts (figs. 35 and 46).

(1) Nature of weapon: air-cooled gas-operated measure-fed michane runs redinarily fired from a birod, but may be mounted on a

clame gun; occlimatily fixed from a bipod, but may be mounted on a triped (fig. 57), an antinitered mount (fig. 58), or an amounted automotive carrier (see par. 128). Two gum may also be mounted as a twin.

(2) Weight: 28 nounds.

Weight: 28 pounds.
 Length. 45% inches (burel, 25 inches)

(4) Traverse: 42° on tripod. (5) Elevation: 19° on tripod.

(6) Effective range: 620 to 800 yards on beped; maximum, 2,000 yards
(7) Ammunition: packed in boxes containing 1,248 rounds per box,

(7) Ammunition: period in boxes containing 1,248 rounds per box, and led into the receiver from a curved magnaine, the capacity of which is 50 rounds (26 advirable).
(8) Park of free Advirable).

is 30 rounds (26 advantale).
(8) Rate of fue: 450 rounds per minute (maximum); 50 rounds per minute (neuml.); 120 rounds per maxima rounds of neuml.



the medium (all, such had figures in terminal under the medity large file sociale and in the file they present in Three de medium in a large social and the file and they are so that they are so

COLUMN TAXABLE PARTY erating laver O Edwards marrows 65m

ARMAMENT AND EQUIPMENT 91









assessionable as a greaten for mound defence. In the Home Great it occasionally as a weapon for ground defence. In the frome Guard it is used extensively for beach defence, and can be mounted on an autiis used externively for broch definite, and can be insunted (1) Nature of scanon, air-cooled cas-operated machine cun-

(4) Length of Largely 963 inches (5) Ammunition: fed by a singular steel sylinder. (b) Rate of first 150 rounds nor remote (maximum)



e Viebers medium (Accor) machine ma (fig. 50) - The 303-inch Vickers heavy marlune gun (called a "medlum" MG by the British) is the basic weapon of the (heavy) mechine-can bettellor. The mounting consists of a crosshead elevating mor and a necket recented on three legs. Cartridges are held in a web helt which passes from right to left through the feed block,

TOWN 20 410 91-99 VANDAGON ON THE BRITISH ARMS

Nation of weston: water-cooled profil operated marking run-(1) Nature of weapon: water-courd recon-operated machine gun-

(2) Weight: approximes (2) Longth: 435 mohes (A) Transport 1074 Miles

(5) Florestine: -25° to +12° by using adjustable law. -55° to 4-45° The caliber 360 Virlage is also mounted in tanks (see far, 87). For

(b) Effective range: 400 varies maximum, 2,000 vants.

(7) Appropriation: web helt holds 250 rounds (b) Hate of fire 500 to 600 rounds per minute (maximum): 126 rounds nor minute (normal): 250 rounds per minute (tupid).





92. Anti-tank rife. - a. General - The Boys anti-tank rifle (for 60) is an entireary bult-action moreover refer caliber 55. Strugg a 930-gram armour-piercing bullet at an andisclosed muscle velocity. probably shout 3,000 feet per second. It will penetrate 24-min armour at normal angle of incidence at 100 yands, and 9-mm armour at a 40° angle at 500 yards. Its rate of seeze in one to each plotoon I block the Bootsh consider and lead more as such of the exhibite. The Saronder and Securida AND SAR



or similar unit commanded by a subaltern, including those employed to rear areas.

b. Characteristics.—The absolder rest has a swickly replayable.

6. Lonsaccione—Tota Bosolier res ass a sprincy (Finiteriore, judber jud. Nether it nor the left-based import is adjustable, lone verec. The biped support is adjustable for bright, the adjustament being made by the felt hand. It is saterded that the weapon be earned upoide down by using the biped as a landle. Both front and reas agilts are offset to the left in order to dress the magazine, which peoples vertically above the receive. Both sights are of the ring twent the front is fixed and the row is adjustable to two receives.

corresponding to 300 and 500 yards. The rule has a braid-operated bolt. Recoil is absorbed by a mescale brake and apring buffer. (3) Nature of weapon: bolt-action imagazine rule, fired from bepod

(2) Weight: 36 pounds.
(3) Length: 5 feet 4 inches.
(4) Effective range: 200 yards; miximum, 500 yards

(5) Ammunitien: magazine bolds 5 rounds; weight of round, 1,994 grains.
(6) Rate of fire: 9 rounds per minute (for trained soldier).

 Mortars.—a. General.—Infantry buttalions are equipped with 2-inch and 3-inch irench mortars, and a 4.2-inch is being introduced. The 2-inch mortes weight about 23% pounds and fires a 2%-pound HE TM 30-410



or smoke projectile a maximum of 470 yards. The 3-meh morter fires a 10-pound HE or smoke projectile with a maximum range of 1,400 yards. It is transported in three loads with a total weight of 124 pounds.

can be servised in action by one man, but it is muchly curried to a

(1) Nature of wayness smooth hore, muscle-loading, high-angle (2) Weight: 23% nounds.

(3) Length: 95 inches (4) Transverse 60°

(5) Physations 659

(6) Effective range, 470 versia.

(7) Associations: HE or specie bomb; weight of shell, 2 neonds. (8) Rate of fire. A menda per minute. e fi-led meeter (fig. 67) ... On the more this morter is recreal in a specially constructed cornier boy in a truck. When beyords into

The communition is transported for short distances in the command home courses but for long transit or when the battafion is on the march, it is carried in steel ammenities hours.

(1) Nature of moreon smooth hore movels leading both such

(9) Weight: 124 nounds (weight of mortar, 42 nounds; mounting, 45 normals, have plate 37 normals) (3) Length: 51 inches.

(4) Trayener, 36°.

(5) Kleveture: 45° to 80° (6) Effective rappy: 1 000 verds

(7) Ammunition: HE or smoke bomb; weight of each, 10 rounds, (8) Rate of fire: 5 rounds per minute.

d. 20-mm cotes morter.-The 29-mm spacet morter throws 14and 20-needed bumbs, which are very effective against 38-ingh armony, Other details are given in figure 52

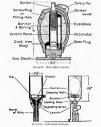
94. Grenades.—e. Gescral.—(1) Types.—(c) Three are three types of greenades. HE (tip. 63), smoke, and signal. The HE greenede conhe thousen he hand a distance of 25 to 35 years. The HE and amaka orangala can be fired from a rifle by means of an attachment selled the "Sheharper" (see for, 64 and 65). When fired from the rife, both granules have an approximate maximum range of 200 yards and a minimum of 60 years

(b) The resight of the HE specieds is about 15 norms, and that of the smalle seconds 11' pounds. The probable dancer area of the HE of house. Large fragments may, however, have sufficient velocity to

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inflict wounds at distances of 100 yards or more. Mechanically the greande is very similar to the U. S. Mk. II gressede. (2) Operation.—The greande should be held firmly with the lever under the fingers while the safety pion is withdrawn. So long so the



lever is held, the greenale is safe. When the greenade leaves the hand or discharger, the lever flies off, and the striker is forced down onto the cap of the ignite-rest by the spring and ignites the fuzz, which burns for 7 eccouds.

(20. No. 60) heldelik hand accords—This promote, which wishin hand percention execute for offensive action. The area of herest is your postricted, and at your he thrown from a standing position in the once with imposity to the thrower. The material effect of the grenade is very small and local, but the moral effect is considerable.

It is of particular value for notices in a clash with the enemy. The No. 66 is replacing the houser No. 36 A databash menades...There are several types of anti-tank over-

(1) Phosphorus grounds, or AW (Albright de Wilson) grounds, on improved type of "Molester coektest."-This greenede produces an



morndiary mixture and a dense cloud of smoke. A special morter for throwing AW evenues, known as the Northover projector, has been

(2) No. 62 anti-tonk evenade (refe) -- (a) This evenade, which weight about 15 normals is fixed from the discharger fitted to the service rifle, a 30-grain bellistite custridge bring used. Since it is exempted for the exemple to bet the vehicle, a rough sight is provided. Because the use of the right receives a low trajectory, the effective rence is from 75 to 100 yards. On impact, the armour of light-

modium, and, in some cases, heavy tanks will be penetrated. (b) The bullistite correlder used with this grapade gives a considcrabbe recoil; and because the rifle must be hold at a flat angle, it is essential to piece the butt of the rifle against a sandbag or similar obiect. If possible, the muzzle of the rife should also be supported on a sandbag.

(3) No. 75 anti-tunk grenode (kand). The object of this grenade is to demage ammountd fighting vehicles, the best effect being attained when it is used against the truck or aumension of a tank. Because of

TOF 20-410

E 30-410

its weight (about 4 pounds) and shape, it can be thrown only sheet distances (10 to 15 yards); and becomes of its poxecful nature, it is absolutely essential that the thrower he helded cover. The use of it.

anominey essensial that the incover for betted cover. The use of it, threefore, is finited to static defence or to road blocks, (4) ST (sticky type) anti-fearly greater (brad),—(a) This greeneds has been introduced for use against light AFV's (grasoured force vehicles). It is desarred to satisfy to a missible traver, thus incovers

vehicles) It is designed to stick to a untable target, thus invaring that the IIR has its maximum effect. The greasde will not attak if the surface is wet or smaller.

(b) The ST granule is suitable for use at read blocks and in posi-

(b) The ST grande is suitable for use at read blocks and in positions of ambush, or for dropping from upstains windows onto tunks.
(c) Although the effect of the explosion is localized, the thrower

(c) Although the effect of the exposure is localized, the thrower must take cover because of the bloot.
(d) For night raids on tank yards, this grenade is an ideal weapon.
B can be reposited as a portable demolition charge and planted by local instead of theory a board on the contract.

from almedia of termin, so reages as expressions. With practice and training, the genuine can be thrown up to about 29 yards.

(5) Havebrin entirely remonstening from the captions really same and to a band-thrown AT mine. It consents of an oval-shaped to At he will be 29 to return the about 20 years.

im 49 by 35, by 25, metes, filled with 15 pounds of RE and bound with sire.

98. Rifle gremade discharger (fig. 64)—o. To fire.—In order to fire the gremade, the discharges is statehed to the rifle, which is then leaded with a ballistic corrigion, and the greende disced in the discharge of the

research with a Batterion servicings, had the presence photols for the endanger. A batterion executing only about the react) and of an isolarity of the property of the proper

b. Manye —The following range table shows the average distances that the grande will be fired according to the various adjustments made to the gas port with the rifle at 45°;

gas poet with the still at 65°;

Ges part Hunge (perds)

Fully open 80

N open 110

losed





From the laterally solder to noise of the emproyer.

86. Individual equipment—. The infrarty soldier equipment for arrive savice source in callier, 2011 West, becapes, 400 rounds of arrive savice source in callier, 2011 West, becapes, 400 rounds of ignore 66. There include (time left to right, beck new, then from receiving mental solving restronts (corrected) years, becape years, becape the property of the control of deal control of deal control of deal control of the con

tips equipments. However, when in full unordering order be corners a value funció, on his back in player of the hovevensel, the latter being transferred to the left hip above the hayonet (see fig. 450 and 20). The equipment of the effect efficient from that of the efficient of the officer of the third of the control of the control of the efficient of the effici

RTILLE

97. General.—a. The tabulation as figure 68 contains data pertaining to the puncipal Britain field stufflery weapons. These are the 2-pounder, the 6-pounder, and the 17-pounder autimits gum; the 25-pounder field gen-howitzer, (the standard field gum of the British); the 3.7-sizeh howitzer; the 4.6-lach gun; the 6.6-inch gun-howitzer; and the 7.2-disch howitzer;

 Instead of mile the British use degrees, mirrotes, and teaths of minutes, and their instruments are so graduated.
 Amountains—a. Grand—Artillers amounteen falls into

98. Ammunition.—a, Gracol.—Artificry ammunition fails into two enteperies QP (quad-fining) and BL (breechloading, or U. S. separate loading). In turn, quiti-dring is subdired into "fixed," which is the same set U. S. "fixed," and "separate," which is approxiimately equivalent to U. S. "semificed." Breechloading ammunition is always shifted in four past, as follows:

Liesk breker	7 to 0 2,400 12,500 4,600 2,000	30 11 60 60	20 20 40 40)4	Premio 3 430 3 55c 1 500	Performed Lifts Lifts Lifts	31 10 17	20		Ter	Pennitr 25.0
Sport of Charle pro-bowless Decrees Task lever 6 Sept Servicer 7 Sept Servicer	12.500	11	40	3.0% 1.500	1,400 to 1,707				Ter	
Nach bevitter do Light Sevicer do	5.000	10	48%	1.500		1.65	34.00			
Light bryder de Gesch gas Conge Noch cap bewiger de			41)4							
Feet per Cope Cope Sold Co	2,400							- Co	Held	90 35
				2.466	1,760	4.1	22.5		Pvi	
		49	43	16 04E	2,26	4.1	41	- Ge	7944	- 45
		- 49	45	15.754		5.0	51.7			300 120
	95,000	7	48.	29,730	2,100		-		40 -	130
2-set hercor fo			48	22 750	1,796	2.5	56.7			290 299
						9.5				
1 100° on Galog platitions.	Testers 6	-Chernol	retica al S	eld setillar	monpage.					

ARREST AND ROTTED IN CO.

(8) Takes (seems) II. S. volmore). (2) Correspond formal II. S. propelling changes).

(2) Shalls

b. Murbings -- (1) Basic colors.--The following basic colors are used to denote the four main classes of sumunition: (a) Yellow-Hub-explosive (HE).

(d) Black-Powder-filled ammunition of armour-piercing (AP)

shot.

(2) Filled shells - A red sing around the ness of the shell shoutes that the shell is filled. In the case of filled HE shells switable for tropical

climates, the red ring is replaced by a hand of red commen (2) HE shell.—The various HE fillings are denoted as follows:

(a) Laddite. Yellow shell (b) TNT-Yellow shell with a green hand on the shoulder, sten-

olled "TNT" in black on the hand (e) TVT become. - As above, but stonelled "TNT/RX" with the fraction "50/7" in black below the error band.

(d) Assats 80(20 - Yellow shell with a green hand on the shoulder; of the mixture of ammonium nitrate and TNT is other than \$0.70. the fraction is steartfed in black below the green band.

(c) Postolite-Yellow shell with a even bond on the shoulder and a thin black line symprimposed on the green hand. (d) Proposek Department V keeping ... Vollow shall with a citien hand

on the shoulder and "RDX/BX" stenciled in black on the band-(4) Smoke apparention.—The markings for smoke amountained are

as follows: (a) Phoenkorus (burster container), -- Guern shell stenroled "PHOS" in block on the shoulder.

(b) Base election type-Green shell with two white rectangular notches and the number of smoke composition stensied on each

a Additional markings. The following additional markings are (1) Simonel-Black shell, with a red tim-(9) AP shat-Black shell, with a double white ring around the

(3) Star shell.—Black shell, with a white circle on the shoulder

(6) AP shell ... White ring on either sade of the wel filling ring.

(8) TIP of all softs are do for ... Markings as already indicated with (6) Shell fitted with common driving bands - Markines as aiready

(7) Projection 60 of anth tracer - "T" indicates trace; and "TP" trees combined with furnition may income an atomilial on the bady of

(b) Projectiles switchle for own and konsiteer. If a run or howiton of the same of their orients, the lettern "GUN" or "HOW" one standard after the subhar and a Seach black or where hand a newted shows the

2. But significan made aloff ... I hearthur shares in the forward and forces, by means of steel buffle plates, three smoke canisters out of the rear. As externo accuracy is not concutal, a combination fuzz with powder-train elements is used.

99. Anti-tank guns - a 2-pausder - (1) Garacteristics - The Vicken-Armstrone 2 normales AT our Mk. I. w. a. aemontomatic caliber 40-mm (1.58-mch) weapon with a massle velocity of 2.616 free new account. It has a Ne-inch armom-plate shield and is carried on two rubber-tired wheels, towed by a K-ton truck. For firms, it to began to three outriers a flow 69 and 700. It was also be installed in the turnet of a tank. Its effective mass is not more than 509 yards.

(a) Nature of weapon: high-velocity AT carnon. (A) Woodst: 1 848 normals

(e) Length: 11 feet 2 inches (hore, 78.75 inches).

(d) Traverse: 360° (if placed on less) (c) Elevation: −13° to ±15°.

(f) Ammunition: fixed, AP with tracer (marties), weighter 4.5 nounds complete, the presentile alone writings 2 nounds 6 comess; 16 rounds carried on the causage and 98 in the truck.

(a) Rate of fire: 22 rounds yes minute.

(9) Overation - (a) The supports position is on the sent to the left of the cum, as in figure 70. The vertical bandwheel on the left controls elevation. The tripper control is attribud to this handwheel. Traversion is accomplished by a horseptal handwheel to the right of the support. For rapid traverse, a throw-out eletels at the right foot of the corner allows the NCO cus commander to traverse the curpodestal, and current together by pressing on the shoulders of the

⁽b) Three independent sights are provided. The first, a simple

ring and bend type, is used by the NCO gen commander for approxmate setting. The other two ughts me used by the ground. The





tebascopic right has a field of approximately 30°, and a magnification of approximately four times. There is a fixed vertical line and a movable hermostal line with range starks at the left for 300, 600, 900, 1.900 and 1.000 words. A small brook directly above the sight, now vided with a click, nermits movement of the horizontal line by merements of 100 years. This operation is perferred by the NCO one commander after initial setting by the general is accordance with oral instructions of the commender. Mounted on and above the telescore sight is a forward head sight and a year notch-type sight, adjustable in testains and elevation. Attached to the left side of the nodestal is a recentacle for a source telescopic sight.

tank run, the British have been employeer it nortee on a 30-rest truck. A recent development has been light self-propelled or assault artiflery in which the 2-mounder anti-tank run is recented on



the Lord covier. The recolor shield of the Separater is utilized for researcism against small-arms fire from the front, and additional protection is provided by armour shelds on the two sides of the gun. h. 6-rounder-The 6-rounder and -tesk own (fer 21), with a rounder velocity of 9.700 feet per second, has been designed by the Burish for use arrived anomy arrespond vehicles which are not vulnerable to the 2-rounder at distances of over 200 or 200 varies. A 57-rore over the 6-pounder will be able to engage tanks at much greater ranges then the Secureday, elthough the letter will still be important to the ents-tank defence of individual formations and sasts. The 6-pounder is normally researched on a low to decree with tool absolut sension but it is also being instelled in certain tanks. In order to facilitate the quick adoption of the proper run for the eircrasstances, the wheeled carriage of the 6-pounder is so designed that the 2-pounder may be mounted alternatively. It is intended that the 6-pounder be standard to corps and army anti-tonk personantion.

99-100

(D. Nature of seasons: bish-eviceity AT earner. (9) Weight: 2.471 nounds.

(9) Legate 15 feet 5 meher (4) Traverse: 90°.





(6) Ammonstion: weight of projectile, 6 pounds 4 monors. (2) Rate of fire, 20 rounds per minute. 100. Pield runs and howitners,-a, 25-pounder field cun-lowitee. The Parameter G. Lainels: field sun-howitzer is the basic



field niece of the British Army (first 72 and 73). It has been replacent both the 18 nounder (fig. 74) and the 4 5-inch howitzer of the last war. The take has a removable liner which can be charged in the field. The tune am a removance uner which can be changed in the field.

The gun can be pieced in firing order on its platform in 1 minute. From its steady and cooler worked mount it is camble of all-around

M 30-410

fee and of rose effective these a defense and anti-norhalized settine has any U. S. Sabi piece. The firing platform is in the form of a valued which is carried either under the trial or on the brick of the prime newer. To place the price on selfont, the platform is between the tenground and the carriage is then manhandled or tracted-error cervit is and coupled to its context. To permit cory maneuversing of the trial, the quals has been imbedied in a "beat" consmotly relief a "beaton," which is not the context. To permit the order of the context of the c

and with supercharge 1,747 feet per second.

(1) Nature of weapon: field sun-howitzer.

(1) Nature of weapon: field gun-howitze (2) Weight: 3.603 rounds

(3) Length: 25 feet 11 inches, meloding traffer (barrel, 92.5 inches)



Facts 1

(4) Traverso: 360° on firing platform, 8° without platform.
(5) Elevation: -5° to +40°.

(6) Maximus rarge: 12,960 yards; 13,960 yards with supercharge.
(7) Annountition projectibes a ranno-specture (20) pounds), HE 225 pounds), and models (bisso-specture type; 21.8 pounds) charges: 8 and supercharge.
(8) Bale of free A rounds not minute (annual).

(8) Bate of lire 4 rounds per minute (normal).
b. 5.7-inch kowitzer.—The 3.7-inch howitzer is the standard pack artillery weapon, and it is also planned for use with the air-borne division. For other details, see figure 68.

division. For other details, see figure 68.

e. 4.5-dack gau and 5.5-aach gan decetzer.—(1) General.—The 60-pounder has been converted and replaced by the 4.5-inch gan; the 6-inch howriter is being replaced by the 5.5-inch gas-howriter as the

ARMAMENT AND EQU

same arming, which has a quite traft and it simple and eary to get hat and so of a starm. While the gas one bring first, the three points of support are the eratics of the axis and the two traft poster. When the traft has classed, a simple belong mechanism estimates of the three points of the start of the start and the two traft poster, the traft. Although the traininess are well to the rew and equiliberators are persided, the evolution elements in variable. In adultion, the carriege has a quark-enhance develop mechanism which premise to which will premise the contraction of the contraction of

elevating rack remains property that for the desired single.

2) 4.5-lack gar (ig. 75).—This medium artillery gun fires a 55nound shell and has a muzzle velocity of 2,205 feet per second.

(a) Nature of weapon; medium gun,

(a) Nature of weapon: medium p (b) Weight: 16.048 pounds.

(e) Length; 16 feet.

(d) Traverse: 60°.

(e) Elevation: -5° to +45°
 (f) Maximum range: 20,500 yards.
 (a) Ammunition: HE.

(4) Rate of fire: 2 rounds per minute.
(3) 6.5-meh pan-doestare.—This moisum artillery gun-bowstare.
(6) 20) fire: 2 100 percent shell and has a muscle volunt of from 1.215.

(fig. 76) fires a 160-pound shell and has a more to 1,260 fort ner woord.

(e) Nature of wonpen: medium gun-bowitzer.

(b) Weight: 12,768 points.

(c) Traverse: 60°. (c) Elevation: -5° to +45°. (f) Maximum rance: 16,000 yards.

(g) Assumation: BL type HE shell.

(h) Rate of fire: 2 rounds per miseste.

d. 6-inch Assetzer.—This is a medium artillery howster (figs. 77

and 78) with a mossile velocity of from 1,255 to 1,352 feet per second.
It is made of steel (some constitution) and has a calibrating sight.
The breach mechanism is of the Asbury single-motion type, having a
parallel larcesh serve of the Wella pettern.

(1) Nature of weapon; medium howither.
(2) Weacht: 10.083 nounds.

(3) Length: 17 feet 6 inches. (4) Traverse: 8°. (5) Elevation: 0° to 45°.

(6) Maximum range: 11,400 yards.

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(7) Ammunition: separate, HE, two marks of shell weighing 100 pounds and 980 pounds, respectively, the propellant charges being

contained in seeps cloth begs.

(8) Rate of fire: 2 rounds per minute.

101. Heavy artillery, -o. 7.3-inch houster -The 7.2-inch (183-





nom) howitser is planned as the largest standard field piece. The 8-inch (100-inm) howitzer is obselve, and is being converted to the 7.2-winch. The mounting of the 7.2-winch is that of the original 8-inch, modernized for high-speed transport, with low-pressure time. On this is mounted a modern 7.2-inch piece firing a basit-tailed shell of the same weight as the original d-mach shell and at 4,000 yards longer range. The 7.2-inch howitzer was developed as a result of the experimental too slow and cumbersome for was of movement. A 60th original section of the first state of the first state of the basis of the first state of the first state







Provide 16. - Fench gain, Milt. XTS, on Mil. VIIIA

VW 30-410

15-inch howitser

opporting the 6-inch gun and the 02-unch howitzer, see figure 68.
Heaving models are the 9.2-inch sum, the 12-inch howitzer, and the

Secreey III

A NOTE A TRACE A NOT

Light grov		Para
Medran (beavy) guas		10
Fire-control concerned		20
Boekets		24
Detection devices		10

Richards. 26
Determine devices. 38cm 20-cmc gas —This light anti-aircent
160. Light gurns.—8. 8cm 20-cmc gas —This light anti-aircent
(AA) gas, lemon as the "Polish Step," or the "Polish", with a manular velocity of 2,700 feet per second, is similar to the Ordrino cum of the Richard Navy. It is designed to revise the suffer-

Been AA equipment (see par. 91s). The maximum effective ceiling of the gun is 7,500 feet.

(1) Nature of weapon; 20-mm anti-aircraft sustematic cannon.

(2) Weight: 121 pounds.
(3) Length: 7 feet 15 mobes.

(3) Length: 7 feet 1% mehes.
(4) Ammunition: magazine holds 60 rounds
(5) Rate of fire: 460 to 475 rounds per minute (maximum).

Defined a girl of the Orlino See dimens unconstitution.

Defined a girl of the Control See dimens unconstitution of the Orlino See dimens of the Orlino See dimension of t

maximum effective colling of the gas is 7,500 feet. 1000. Medium (heavy gass— α , α -ford pers.—Although there is now a large number of shorts $\Delta \Delta$ gares, the 3.7-both barry $\Delta \Delta \Delta$ gare to the standard equipment of hookin statistical heavy-gas hastories and the standard equipment of hookin statistical heavy-gas hastories from -3^{10} to $+30^{17}$ and a 400^{17} traverse, and first a 3.8-quant Harportollo, reported by equipment with a mechanical lane face, as a nontral velocity of 3,000 fact yee essenti. The gas weight 31,200 provide rule investigation of 3,000 fact yee second. The gas weight 31,200 provide rule investigation of 3,000 fact yee exceed.







1 30-410

b. 4.45-feed year.—The 4.45-inth bravy AA gus, known to the service as the 4.5-line, but an obreation range of from ~5" to +30" an obreation range of from ~5" to +30" an obreation from the control of the control o

effective certing is 30,000 feet.

104. Pire-control equipment,—Vishers and Sperry directors are both standard equipment. Sperry units reasonisectured in the United States have been different continuously since May 1608. The standard height-finder is a self-contained instrument of the coincidence tree. A monkey of different makes, on bases of 9 feet, 10% feet, and

108. Rockets.—A new type of ΛΛ weapon is an unrotating HE abell propertoi on the recket principle. The projectors from which it reckets are fired use of different design. Some can fire only 1 projectile, while others can fire up to 20 projectiles, at a single loseling, 860. Detection devices.—S. Surablishics.—The theory 128 S.Erchl.

AA rescribight is standard, and is provided in two types, one for hand and one for remote control. There are also a number of 120-me (47.38-inch) and 150-me (95.1-inch) rescribighet in service, as well as many U. S. upp Seprey 60-inch highs. The 50-one model is mounted on four small extendibly tracks; the 150-one model is mounted on its way fore-wheeled traffer. Refrectors are almost invariably of giase, although a few metal case are in use.

1. Nound bootster,—AL least three twose of sound locations and

standard. Borts of the two latest types has four purobabil herm arranged for electric or stocknown instruction. They are equipment with rereal indicating equipment and course-finding uplats. Assume screeners and a system of results control of the surchight analos the use of inferencessary. Comparators unaccessary. Analos, Ratin database devices are used astemistry in our Analos, Ratin database devices are used astemistry in our

junction with AA equipment.

DEFENCE AGAINST CHEMICAL WARFARE

107. General.—a The British Government has ratified an international agreement to problibit the use of toxic gas in war. Its policy in to provide adequate protection of the military and civilian population against gas attack.

population against gas states.

6. Chamical variate groups are included in Royal Engineer establishments. Experimental work is certified out through the Chemical Defence Committee and the Chemical Defence Research Department under the general supervision of the War Office. Chemical warfare means are invited to carry out till broatbe at field engineering executions.

bridging (see par, 40d).

a. Each includes or equivalent unit has a unit pass officer who is desidual from the premass of a deat that and a produced does not be recorded as the serveral analysis whosis mutation by the British Array. The safe of each driveness and higherent includes of exceed state Glasse (OCC)—server. British Prince and Control of COC)—server. British Prince and the server and the ser

accordance with the provisions of training mannals similar to those do to it. S. Aury.

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On the present of the present of

provided. It Spriparet.—(1) first reads (fig. 42).—The gas mask has a fully moduled farepiece made of rishler which is connected to the consister by a short excrepated house take. The emissive contains activated charsend, an different weaks filler. The mask is exercise haverends, which is singe over the filler. The mask is exercised have the single properties of the properties of the short in the properties of the properties of the properties on the clean beld in place by means of a body read. (See figs. 84 and 85; see also figs. 45 μ and 95, 84, and 477.) (2) Eye shields.—Each British soldier carries in his mask haversack several simple eye shields made of plastic material. The purpose of these shelds is to protect the eyes from chemical spray from averafe practice of justices of the gas mask.

pending adjustment of the gas mask.

(3) Protective ointwent.—Several tubes of ointment, designed for protection against mustard gue and lewisite, are also carried in the

mask havemark.

(4) Impreparated protective electrics,—Provisions are made for im-



Franchise, Mk V. Container, type E. Bissernet, Mk V. Anti-discolar confidence; see E. Frank E. T. Container, type mask.)

vapor. Imprognated clothing is being issued to all troops in Great Britain as other activels were out and must be replaced. (5) Impervise practice debthing (5ga. 3g. 44, 85, and 86).—Grements zande of oil treated fabric are provided for individual protection.



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NAMED OF STREET PROPERTY ARMY

(6) Gas defeators.—Each soldier is provided with money area benefit which change color upon contact with hinter gases. 169. Collective protection.—Butish collective protection devices include the following.

a. Anti-ma nothways, consisting of rolls of specially treated paper which may be laid down over contaminated across to allow the safe

passam of man. A. Decentersinglish meterials a Cleatons hear, made of succially treated fabric and used to

collect contemporaries frolles

A Pirst aid and cleanung centura. c Clas classes

f. Gas sentries. Successor V

ARMOURED FIGHTING VEHICLES Toda Amound 664. 110 Tanks (Se 87) - c. General - (1) British tanks fall into

two categories: cruiser tenks and army, or infantry ("I"), tanks. Contact tanks (fire, 88 and 89), the armoured fighting vehicles of the arroward beimales are relatively fast and maneuverable, and sacrifice armoured be speed and ormeroest. Infantry tanks, which are slower and more heavily summared, are designed to support infantry attacks on field fortifications, preceding the infuntry and attempting to overrun the enemy defences. The role of Butish infantry tenks is one which is not normally envisaged by U. S. armored tactics, sithough in unusual circumstances U. S. bravy tanks might be called upon to perform a similar mission. See figure 10 for one type of infantry tank. Light tanks are considered by the British to be obsolete from the fighting point of view, although special types are produced for various special operations, including recognisisance, mountain warfare, air transportation, and airdrome defence. (2) In addition to the tanks listed in figure 87, the British are also

poing a new Mk, VII cruiser teak, popularly known as the Cromwell, and the following U. S. tanks: Light M3 (General Stuart).

Madison M1 (General Lee). Martine Mr with British turnet (General Grant).

Medium M4 (General Sherman) (3) British light tenks are symmily lighter than U. S. light tenks.

and are not designed for the same role. British cruiser tanks vary

considerably in weight, certain models weighing the same as U. S. light tanks, others weighing the same as U. S. medium tanks. The normal role, bowever, of British crusser tanks is similar to that authord to U. S. medium tanks.

assigned to U. S. medium tents.

5. U. S. Hight tents — U. S. M3 light tanks have been utilized by
the Beltish in both recognitions and lighting roles.

the Birklich in both recollisisation was superior rows.

6. Aresword "The the attenument of various Desirable trades, are
insults in section and general design to the california section of the section of the property of the section in the section in the section of the section in the section of the section in the section in the section of the section in the section of the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section in the section is section in the section in the section in the section is section in the section in

of Communications —External communications are usually by radio, iamp, and flag, and internal communications are by voice tube or loud speaker.

content, the Universal (fig. 10, 20, and 10) and the Lord (fig. 10). Although the two redeemly several models of the Universal carrier, each designed and equipped for a particular type of word, there is now edy one. The Universal carrier field out is nest for a liven good at a Boys statistical, then is now what is commonly known as the money of the content of the

| Universal | Universal | Universal | Universal | Universal | 3.8 legg team | Leggth. | 3.8 legg team | Leggth. | 3.8 legg team | 1.8 leggth. | 3.8 legg team | 1.8 leggth. | 3.8 leggth

					2pert	Online Seed						Diservolvac					Ecorto
Stune	Popular searc	Comm	Trebi	d'air	Cross man try	Book	Arcenact	Across	Les	εG	×	leh	100	late .	Licardo		
Light sents, Villa- VII., Scand of		2	70m/ 1 37	7%	26		I salder 16 Veloni MO, I salder 20 Values MG	Enris, 6 30 and	Part 18	Jacker E	Aue 4	Enther E	Rac s	Jackey 0	Objected Unitedly is a pur philipm, und in the Western Decent for processionants. The Mr Vic Robe look retailed to 1 them from moditar pre-fer reliable 221 Triber.		
Light leak, Mil Vill	Tomeli			250			1 same gas, 1 150mm Bern NO.	Front, 242 inch. sides, rused 	18	3			1	0	Our of the labers typerod light book, exercised. 150 kg		
Light (rath, Mir VIII	Stery Hughin	3	4.0	180		94	1 sheen got 2 7.72- max See NO.	Prest, LS lookes, sides, 0.79 met- turns, 16 in- oher	LE					٠	The bibot type of Byte beak		
Craiser took, Mt VAR	Cyretaster	4	-	110	*	51	Military page 2 Milita, I referre- clare page	Frank, 1 87 corder, siden, 1 38 leefe- es, sames, 1 67 sorbes		٠		1	,		Librario sensor to kerephoniky 220- leck sensor		
Courser tunk. Mt. VEAD	Crunder -	1	D	14	9	91	inhom yan, 9.700- aus Sen M.G.s.	Yood, 137 bales, addrs, 136 bale is, comer, 138 balles	2	•			1	3	Operate her of po- grand speed and greater then \$7 miles per hear. I (I mit amounts he replaced by		







and a second sec

armoured. Butish armoured cars are used extensively for recommissame and patrol work. Some of the types with their chrescosistics are histed in figure 95. More recent types, not listed in figure 95. are the Deinder and the heavily arround AEC ! Maraise The Damler carries a crow of three, and is protected by 14-mm armour. It recents a 2-recenter and co-axially, a 7.92 Been machine can and a Been cum. It is powered by a 6-cylinder 106-brake-homenower restee with a maximum areas of 60 miles are hour and a radius of action of 150 miles



b. Armoured command schiels.—For some mobile command nests of armoured divisions the British use an armoured command vehicle (ACV) known to the AEC Armound Command Vehicle. Armour is 5-ton truck. The vehicle normally carries three officers, three radio operators, and two drivers. Equipment includes seats, desks, and lockers for the personnel, three radio sets, a cipher machine, and necessary electrical economent. Although them are no velocular weapone, the embated men are armed with rifles.

- (1) Weight: H 5G long tens.
- (2) Length: 20 feet. (3) Width: 8 feet 6 inches
- (4) Height: 9 feet 5 mohes-





exa 50 — I granul avanged costo











CORP - Loyd sensored narrier

State	weget	(204	Attoo	Armania	Lo	ara.	W	ditta	Be	183	- Open	of setten
	Long three				Find	Jacks	/est	Saches	For.	Sayler	Mile per Now	Wer
rust Car DEA	31		Epper sinustres. 1 look, fract, 015 look; sldes. 025 reds.	on oither it Boys AT ride		*		Ŧ	١.		Coso-macino, Pi, navi, 25	***
lunber			Been, 9 Houds	oer 19mm Den MG:							Mindreys, 68.	500
Lumin	4.00		Bull, 19-adi	Operatiber 50 Bern 31 G; our militor. 35 Beva 5 T mile					-		4	340
4)	11		DuscPirited	Cer 15-mm Bers 510, nee T Room Bers M.O.	16	*	2	1			Crommonty, Minel.	760

VEHICLES MOTORCYCLES, MOTORCARS, TRUCKS,

Ceneral																	
Motorcysles																	
Motoreum.																	
Trucks																	
Lorries																	
Tractors																	

118. General.—s. With extremely limited exceptions all treasportation of the British Army is motorized. The standard motor videles are conclust in quality and reasonably adequate in quantity. Various forms of trailers are also provided. (See fig. 96 for charsteristics of vehicles. In ser. 114 to 118 only representable types.

sorterated to endow a linguistic and models are all patters and models and models and the second in detailments in the second in

Thus all stillary spine moves are designated as tractors.

4. The present trends in all wheeled whiches its to design or modify them so that an anti-alterest sentry, with an all-around field of vision, not be posted in the wheiled. British units the Middle East lawe rut holes in the tops of the passenger care and clouderels tracks as that startist can stant on the driver see as and have their heals and shoulders portunis through the roof of the whole. On some of the rest is a startist constant or the control of the whole. On some of the restrict is excited on too of the overed. On large graph under the restrict is excited on too of the overed.

the sensity as section of any to the service being presented are 11/5-on. One of the service being the service being presented are 11/5-on. Sensemble sets the service been sensitive testions manifestated by other street—see per 1180 for field a sulfery and 3-ton six-obstrated secondard testion for medium artillery fig. 971. Beweever, there are on hand a considerable number of full-streeded tenture, called drappen, which actions similar to that of a medium tank, is used for medium artillery. Sensitivities that of a medium tank, is used for medium artillery. Sensitivities preferences and the bosonic olive caused the change from treated

 Certain U. S. vehicles are also in use, especially the K-ton 4 by 4 truck which the British call a "Bliss Boggy."

rules of the road are exactly the reverse of those in the United States; that is, vehicles keep to the left of the road and poll to the right in passing.

Cyper	746	molocycle	Declar or	6-ember our	Feet trade	25-015 31	usk	There's Grack
Middle	Di Net	im, (2) 3514	St Amile, St 200ms	en, 00 Ferd, 00 Bumber	. (O Meens (D Klumber,	(i) Bellied 60	Norw.	(0 Feet, 0) Gep.
Dryy			Gi North		10 Obviolet	(D) Charriele		
Service				- 00 k, (0) 4	(0.46 Feet 5, (0.5	(D-FR)		(0-0) 1.
	Miles, S	-el	His (4)			20 to 20 kp, to	gh	(2) Ship Sect. (8) 199a, 4cd
Type of budy			thinky		Present-merrity	Track		
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bowks	See Inst		Sec tool for neithboar mediated on the Ar Un			Note the first for, water companies, less track, for additional in	or who	
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Eric .		CD Assetski Gr 3s	emes, in the Mes.	Mage	Yurob		Month	
Date:			50 Dudge (8) Park.					
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Shineal ours in eight indep of school (miss)				5	0125.901		12.	
			60, 10 10, (0 10)	360				
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Toyle far whom regard								

Type!	Jan 6 Whelellery	Has extended letty	9408 f-Hbrok-Clers	No tehnisises	Star beholding	to enhalching	Son 6-wholed bery
Mike	(i) tasks, (ii) held held (ii) Kurske, (ii) Fast	(4) Dennis, (3) Ford	CO Albina, CO AFC: SD Andrie; NJ Leptent, SD Gen Mod, 40 Cherry- les Thomass.	had, (7) Gen Not	(t) Albient (2) Lay- hed.		C) Lesissé. O. Deóp. Ø) Gep. EQ Albine
Dent	10 1 60 1 mil 4	00-003	50-854 .		(1)-(2)-4		G3-00 K
Type of eighte 2	(0-d) STRD Rept. (0-204y, Feyl.	(I) Sile, 4-st (R) 38-sp, 8-syl.	(3 Albin 4 syl, (2 Alby, 4 syl, (3) an law, 6 syl, (5 24 p, 6 syl, (5 24 p, 6 syl, (5 24 p, 6 syl, (5 24 p, 6	rzi an Nurs, espt. (hi bi-kg, észé.	(D. av hous, +cyl	Siller, sept	(ID Stelly 4-cpl. CD ST Hern, s-cpl. 10 In Harrs, 4-cpl.
Type of body	Leobourging	Sydnolic famp	Detectable hosps and outstacement	Plat door with searchfight peoken sea.	00 Beldging equip- areal, GE Minchin etg	Name type bely with wantersp- organisation.	with derricks. once and eper- droves
Personnel-curring	N. Caber		26	10			2
E-b-datasetist	(0.2%, (3.2%) to (0.00) (0.2%)	20 to 20	20 179, 00 194, 00 296 16 175 10 172	(D 265; (2) 200; (5)	(2) 796, (2) 200	78	(3) 296, (3) 296, (1) 340, (0) 178
Telescontends	250 STRA ALE DESIGNATION	SH tars, Explanes	Sitted All mediate and Bear modern recesses, and alcost represen-	2% time Southlight write of ADGE (Air De- leases) (limit Brit- sin)	man refo	Artibey survey	Light old delect- ments, ordinated ments, and enquared make
Brocks	figs part for sold- plant supplied						

Type!	Transc	Tractor	Tractor	Toxice	Disk Extends Ink Insequely	Shine Shallooled such interporter
	(0 PWB) (0 ABC	Supply	Made	(3) Feet, (8) Gez., (9) Charmini	() White-Remail (6) Mark	Jeannal.
				03-03-6		
Type of sagies."	(0 Hills, Repl. (2) 7.94 Team, Repl.	richea, rept	(1) 20-0 p, +cyt, (9) 10- 3p, 6 syl	floor, 4 ort, 00 25 kg.		
Type of Body	Flat Ger. Gewindle Inspirate forms	provided with bytom boles, ED 20mm s bened- down traces with Alic- lard hand based risks.		All motel par tracker	25d Start with reserve	articles to the with mage.
Protegol-exceller ra-		03 15 00 3	(1) 7 (0) 4	1	1	3
						121
Teste in whose larged	Median uniley po- mephod-burran- arout spiness	ments (D Reserve) units of spacemed ter- tertimen and begunds reference militars in	(i) Light and-sayme replaceds. (i) Phot packness.	Fald outlesses .	RASC ball trouperor coapsaler	directional dividue of dividual projects an army book brigade
Ibrorio		Sex test for still/cest particle)	New test for additional quaterial			

Faceg to (molecus) — Consideration of molecus

114. Motoreycles.—S. The two student door motocycles are belled (ig 8) and the Norton. The New Ill remainly stray one rider, with his pack and blanket stored in junnier large on rider with his pack and blanket stored in junnier large on rither side of the rare wheel. A giftine sent is into provide for economic until motor are medically operated, internal separation. A foot basic operates are medically operated, internal separation. A foot basic operates the raw wheel a hand break, the front wheel Samiling orders now that the case of the part of the

(1) Engine: single cylinder. (2) Speed: 60 miles per hour.

(3) Fuel consemption: 46 miles per gallon.

(4) Gas tank capacity: 3% U. S. gallons (approximately).
(5) Not weight, 319 psychological Not weight.

(5) Not weight: 319 pounds.
b. The Norton, in a combination passenger-carrying model, is also

issued to infantry buttsfore and armound repincets, and, is a combination box body, to proved companies.

115. Motorears.—a. Assits 10-basepower two-scater our.—This is

a light two-seater open runabout (fig. 16) with a largeage space behind the seat. It is a convenient vehicle for directing souvers because of its ability to cut through congested traffic where a larger vehicle

would be held up.

(1) Engine: 4-cylinder.

(2) Maximum speed: 52 miles per hour.
(8) Fuel consumption: 72 miles per hour.

(4) Radius of action: 220 miles. (5) Gas tack conscity: 7 U. S. cultons

(5) Gas tank capacity; 7 U. S. gallons.
(6) Net weight: 1,512 pounds.
4. Fard VS 36-bare-power four-scalar values (scalar) our (fig. 100).—
This is a standard passencer car exceed for the tree conference of the

This is a standard passenger car, accept for the tre equipment (b) planchers) and the expect of increased clearance between freight and tires. It has a which have of 12 melon and a standard sedua body. The Humber four-seaster is similar to the Ford and is also standard.

(i) Explore Pord, Sectionless.

(ii) Maximum needs: 78 miles nor hours.

(2) Maximum spree: 76 miles per hour.
(3) Fuel consumption: 13 miles per gallon.
(4) Gas tank consumption: 15 U.S. college.

(4) Gas tank capacity: 15 U. S. gallo (8) Net weight: 3,136 pounds.

(a) New regarder parties parties.

(b) All recommissions care, Light recommissance care, provided with light armour and with a turner, are insued to recommissance tegiumus (bettalions).

(b) All recommendations (b) All rec









TM 30-410 STANDARDS ON THE BRITISH ABOUT

116 Trucks -a Hunter Scut Lackeded arranged or window mbide. This truck (fig. 101) has a well-type body necessiting scatters accommodations for three men, two facing the off side and one the more side. Lockers are provided for kit and equipment. The whole is posterted by a demonstable systemated cover on tubular someat protection. The canony is removable and can be used on the ground an a shalton

(1) Engine: 6-crimder: forvlinder.

(2) Marinam speed: 55 miles nee hour 55 miles per hour (50 miles (45 miles per bour roverpod): ner hour constroit. (3) Fuel convention; 12% miles per cal-11K rolles per callen. lon:

(4) Ges tank orașcita; 19 U. S. gallens; 19 U. S. gallens. (5) Net wright; 4.800 pounds: 6.339 rounds.

b. Rollard MW 15-ext 4-wheeled infantry truck —When fitted with coats and a construct this truck (fig. 169) can be converted into a masses. percentage vehicle. It is the main transpert vehicle for the equipger-energing venture. As in one mean terminate venture for the equap-ment of an infantry bestallon, and often mounts a Bren run. Its ment of an imarry partition, and over another to congral-service (GS) body has the following disconsions: Internal levels 6 feet 5% inches

Internal waith, 6 feet Overall width, 6 feet 78 inches.

The delegate commerciment has a folding detachable canvas top and two adjustable bucket-type seats.

(9) Maximum meed: 53 miles per bour (9) miles per bour gov-

(3) Fuel consumption: 10 miles per gallon. (4) Gos tank camerity: 24 U. S. gallons

(4) Net weight: 4,480 pounds. 117. Larries - Bollierd QX (20-cut, general service) .- This lotry (for 100) is a semiforward-control vehicle fitted with the standard Bedford steel cab but with the radiator and front and exactly like the 15-cwi Bolford truck, model MW. The internal dimensions of the body are 8 feet 8 inches by 6 feet 6 makes by 2 feet 5 inches. Provision is made for carrying a space wheel inside the body, at the rear on the near side. The lorry has a standard Bedford all-steel cab with immunted safety glass in the windshield, toughened glass in the doors, and a

vacuum-encreted with reserve teach. (1) Engine: 6-evinder.

ARMAMENT AND ROPTIMENT



(2) Maximum speed, 43 miles per hour (40 miles per hour cov-





From all-store redeeld intertry true (Endor) NW)

(3) Fuel consumption: 8% miles per gallon.(4) Gas tank capacity: 28 U. S. gallons. (5) Net weight, 5 500 nounds

b. Refer OF Goos, selected, general service)—Thinbury (IIg. 1904), in preparation to the type obligate to take upon the beoperance then and not set and continued to the selection of the properties of the selection of the sel

(1) Engine: 6-sylander. (2) Maximum speed: 43 miles per hour (40 miles per hour gov-

(3) Fuel consumption: 7% miles per gallen.
(4) Can tech consumption: 28 U. S. miles.

(6) Net weight 5,529 pounds.
118. Tractors—T. De Murris Ck tractor is a 4-wholed 4-wheel-airwe fold strilley tractor bety me for the "huslage" of field guardeness of the string of field guardeness of field guardeness of field guardeness when two angeling 1000. It has a good cross-country performance when two angeling 1000 and the a good cross-country performance when two and bolds found manuscript of the field guardeness of the string of the field guardeness. On the string platform may be exceeded at the new three three three three two distributions of the field guardeness.

14 feet 8% inches; over-all width, 7 feet 3 mebes; over-all height, 7 feet 5 inches.

(1) Engine: 4-cylinder.
(2) Maximum useed: 47 miles per hour (42 miles per hour

governed).

(3) Fuel consumption: 6.15 miles per pallon.

(4) Gas tank capacity: 26 U. S. callons

(4) Gas tank expectity: 20 U. S. galliera (5) Net weight 7,604 pounds. h. Light dragon.—The light dragon, Mk. III, has been superseded. The standard griess mover for all field artillery is the Morns CS tracted described shows, or a similar teactor manufactured by other times. A Modern Jeann.—The medium drawn. a build-tractic, in row

used principally as one of the tractors of medium artillery brigades (fig. 106; see also fig 78).

(1) Engine: Armstrong-Siddeley, 8-cylinder, 90 bersepower.

(2) Maximum speed: Road: 15 miles per hour; cross-country, 10; towing: 9 miles per hour.
(3) Full resembnion: 15 miles per sellon on roads, 2 miles per letter.

(a) Radius of action. 88 miles.

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ARMAMENT AND EQUIPMENT





ear 20-410

VANCABOOK ON THE REPERT ABOUT 118

(5) Gas tank conscity: 44 U. S. gallons (6) Not weight: 7.5 long tons.





In medium artiflery higades, trucks are used alternatively as tractors.

Chapter 6

irrent									
Miconne									
formal operating technique.									
peration orders.									
fritish and U. S. equivalent	\$6000A	lir	ndv	501	M 1	181	ni	Bex)	rei
feitish and U. S. eggradient	server i	ce ()	4.0	ll ea	٠.				
Defensive									
reguniantion of defensive por	Con.								
fertish and U 8, equivalent	terms i	OT P	gu	x 2.0	(1	leil	υħ	brig	pyk
m dedence.									
better of earner plateen.									
enguering (bevomen of arm	served t	150	wet						
into-aireraft defence									
Sotor marching.									

119. General.—Since British tactical doctring is generally similar to that of the U. S. Army, it will be discussed beingly.

120. Offensive.—Bittish doctrine of the offensive may be stated

as follows:

a. Decisive victory on the hattlefield, the ultimate purpose of the
Army, can be achieved only by the offensive. Only by attack can
a commander ret control of the two vital factors in war—time and

a commander get control of the two vital factors in war—time and space—and threeby wise the initiative.
5. The offenerus spirit must be shared by all ranks down to the last individual solute. The most jurior commander, rather them wast for orders must use his initiative to reach his immediate objective.

and, in default of a stated objective, must devise one himself.

a. The four basic factors teaght by the British in the attack age:
surprise, speed, simplicity, and concentration.

(1) Surprise is taught as the most effective weapon in the hand of

(1) Surprise is taught as the most effective weapon in the hand of the attacker, for it coables him to secure superiority of force at the critical moment when he most needs it.

(2) Speed in all starse of the channing and execution of the attack.

be escential if the minarize is to be gained and maintained. Communiters must make rapid decisions and stells must insere that the aschinger of command works smoothly and efficiently.

(3) A plan absolut be as simple as possible, for simplicity gives fleshility. The simpler the when the more likely it is to accessed.

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(4) The attacker can concentrate his forces at the point that he chooses to attack; the defender, in ignorance of the selected place of attack, must dispose has force to must every possible area and posts of attack. However, the defender, eace the attack is baseded, mores his reserves to meet the force main offers, and the favewable behaves to the attacker begins to disappear. Therefore, the attacker must most his his initial elevations.

must profit by his initial solventage.

121. Normal operating technique.—The following is the British technique for deployment (development) for combat from a march

soccusion:

o. Oppositables for deployment.—Before any operation is put into execution, time is necessary for recontainance by commanders both keep planning and issuing orders and for deploying troops and organizing suppositing five. It is obviously of vital importance to reduce this time to a ninumum. This can be done by—

(1) Mental recomsissance—thinking about for possible future action.

On Carolial assumination of the arrangements for recommissance.

(5) Rehearsal of deployment.
(4) Correlar out certain memoralisms concurrently.

(4) Carrying out certain preparations concurrently.
b. Stayes of deployment.—Deployment drill need not differ materially about the forest of the property of the pro

in the following stages:

(1) Stage I.—(a) Recommissionice by the commander initiating the plan and by the commanders of the mats detailed to support.

pian and by the communities of the mass senses to support.
(b) Movement of subordinate communities to a rendervous to receive orders.
(c) Movement of fighting troops and minimistrative parts of the

force to assembly areas

(2) Smag 2.—(a) Issue of orders by the commander

(b) Recommissione by subordinate commanders and by the com-

manders of affiliated supporting units.

(a) Movement of fighting troops to unit assembly areas.

(b) Opening of battle Hq.

(ε) Administrative preparations. (The procedures outlined in (b), (ε), (d), and (ε), shove, take place consequently.)

contentually.]

(3) Stays $\delta = -(a)$ Issue of orders by subordinate commanders.

(b) Movement of lighting treeps to diphyspreat stress.

a Group spirits.—The main body or fighting portion of each unit and also the transport not required with the fighting treeps (i.e., "B" e-client) are, however, also concented in declarations.

must receive orders. There are, therefore, four main groups concerned in deployment: (1) The Recognissance or "R " Grown which is the communiter's

group for reconneignance and planning (9) The Order or "O !! Order wheel is the more for recorder

anion. This will normally consist of the subsplinete communicari O'D' sprouse

(0) The Fightian or "F." Group, which is the main bady of the Accounting on your (6) The Transport, or "T." Group, which is the transport not

This nomencleture seven time when inventor orders. (For the earnposition of moures are for 107 and 109. Note the "Remorks" column

d. States of sachine. The principle is that while recompansance is below serviced out and orders are being instead there should be a simultaneous and continuous marginant formed andre in derken-

ment out battle footom by the folding to the This owner should

(1) Need for early issue of warning orders to start groups moving. Assembly areas should be en route to the proposed deployment area. (2) Recognisionnee by "R" Green must be exceptilly obsumed and the commendant of the group, the route to be taken, and the points of

observation to be visited must be considered. (3) Rendesyons for "O" Group should be in the vicinity of a place from which important terrain features within the field of operations

are visible. The time fixed for essentity at this rendersons will depend upon the time that the commander's recommissance is estimated to take. (4) Representatives of supporting arms must be put into early

touch with the commanders of units that they are to support. (5) Arrangements must be made in advance for the supply of food, ammunition, prescoats, blankets, etc., and for the speedy evacu-

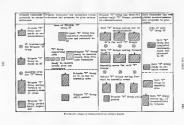
ation of carnelties. 66) Orders for "To Groups (for instance, whether they are to be left, under britagic secreted or released to subordinate units) will depend upon the situation and electricina made made stage 2 (b(2), showe).

e. Sering time.—Thin can be done by— (1) Desiding everything possible at once from the mere for instance.

1 30-410 121 HANDSOOK ON THE RESTREE ARMY

04(4)	Dragado?	Solicition	Company	Philadel of eldr had No ecopetain	Errorb.
Economic value (II)	Extract Communities Execute Major I or Retirect in Companies Officer Communities Communiti	Barrister Com mender Application for Paris Lidens	Call pany Consumed M. George George	Plains Comment From Control	in Equivalent groups, suffers required in the second secon
Cedan (C)	Supplier *B* Groups (d)	Groupe "E" Groupe of Eq. Groupe of Eq. Groupe of Eq. Groupe of Eq.	Pintoon "E." Gassep	Rection or Delack- ment Com- mader	phetocon wath a contract accordance of the pice of the contract and bit for contract
(F)	Ericete His and Signal Section Anti-Trair Bas- ders Light Anti-Air- orth Bestery I Impacty En- todors. Units under com- mand dathertoil.	Batcher Bo 4 Rafe Compe- ness Philoses of Bo Company "A" selected designet of	Compact Ho 1 Plations 7 In Lower tracks (i)	Pleton Hy- lecture or dorsels rends Platon tracks (6)	perred and it safare. (a) the outside on percelanges and the seath "To Owners
Transport (T)	Despute Big Los primilitrative Transport (of sep) (E' colo- kes or betain	"E" relatio, if under harpelise record.			

1 The Beach begands in roughly consists of the W. D. resident forthis W. 1. Novelber the Breach Major Box Begands (By nor the Adjusted Once Desiration We should be able as at the specialistic as the consistent of the Consposition of proper or an Inhesity behavior.



MW 90 410 MANUSCON ON THE BUTTON ABOUT

culturalizate communicary can corry out some rean earth with the communicate recommunicates

(9) See direct a stuff efficer with and onless regarding exentials to those subordinate communders who are most pressed for time. Should adequately trained Motor Contact Linkson Offices be available.

these may be used to replace the staff officer. (3) Having the commander of supporting attillery travel in the

commander's car during his recognitionnes. In this case the risk of both becoming complies rount be accomful

f. Commander's responsibility.—(1) To insure the efficient functioning of all serves in a coordinated plan, the states restlined for deployment (b. above) and illustrated discontratable to forme the should be carried out in the sequence laid down. Such time as it found necessary to carry out each phase in pencetime, with an ample margin of safety for the many needents which may needs in waitime. should be allowed. (2) In proportion as this procedure is condensed, or as parts of it

are omitted and us the time allowance is out down, so the risk of failure, or of success with such beavy casualties as will anneximate follows, will steadily increase, Of this there can be no doubt. The cuestion of when and where time can be saved, with and without sisk most therefore he studied continuously. The staff must he numered at all times to warn the commender if in their orinous. insufficient time is being allowed. But on every occusion the evenmander must believe up the gree and cons and gauge the risks. He along must make the first decisions

(3) As previously stated, while reconneissance is being carried out and orders are being issued, there should be a sumultaneous and uninterrunted movement forward of all units until final battle development has been completed. While the "R" Group is making its reconnaissance, the "O" Group is assembling at a previously designated point which normally should have good terrain observation characteristics. White each commander of a subordinate uset is moving to has assembly point to receive orders, he should know that his combat units are moving forward to the designated correctly area of a higher consensed. As soon as he receives his orders, he, in turn, makes his reconnection. At some in the reconstruction of the communication of the process

199 Operation orders -- All operation orders adhere to the

(1) Intermedica -- (a) Of Acatile forers.-- A statement of facts and deductions from all sources, giving a general picture of the situation. (b) Of friendly forces.—The intentions of the higher command and of friendly toops, arranged logically (e. g., corps, divisional, and

brigade situations).

(c) Of beaudaries.—As laid down by the higher command.

(c) Of boundaries.—As laid down by the higher command.
(d) Intention.—A brief statement of what the commander issuing the orders intends to achieve fit. e., the decision).

(8) Method.—Missions, in logical sequence, allotted to the fighting teops and sizeraft.
(4) Administrator service out.—General instructions for supply.

transport, ammunition, medical services, etc.

(5) Interestreensies/ion.—Locations of command post's (CP's) interest and the command po

eral lines, etc.

(6) "Ash" ("Ashnowledge").—Always used in an operation order.

5. A transcript of an actual operation order (involving the 11th Indian Infonter Releade) follows:

Cupy No. --

II IND INF BDE OPERATION ORDER NO. 16.

Reference Maps: GLANGHEREN, 1/20,000 Air Survey Shorts.

Yirfe Appareto. "A".
 Following under cond 11 Ind Int Bet: from 2130 bes DI-2 day —

R. F. Fd Coy 8 & M.

"A" Cop 17 Fd Ands.

INTENTION.

1 Tol Tol Bok will resource and bold the large of the both sensors local Mil.

BANCHIL-BRIGS PEAK feature—BOGS BACK—FLAT TOP (see Appendix "B"), 8 METHOD, 7 by Ann of attack will be known as DI day and will be realfied later.

Troops and Objectives.

2 Conserves—find Mt SANCHIL—find BRIGS PEAK feelage.

1 Eag Rf—real BRIGS PEAK feelage—had HOGS BACK.

2 Mahrwine - cast HOGS BACK - sed FLAT TOP, ERRO HOUS, See, 0000 her.

9792 htt -- (Check Zero 0000 her).

5 Starting Lips;

Present from his from out Pt 1816 (\$256) to 50 yards to WEST of left Cup
Pres.

Poss.

(Units will be responsible for surinag gaps in the wire before 0800 boom DI day. I flag flift will cet gaps for 2 Comercus and will provide guides to show 2 Comercus the posts of the gaps).

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Bde Eeserv

1 R. F. 4 Ray Birl.

For role of this reserve see Appendix "D".

Assembly.

(a) Refer to the last will be correct out (wide 18 had inf Side No. 6085 dated in Mar 41) and will be completed see (wide 18 had inf Side No. 6085 dated in Mar 41) and will be completed see 6000 has Di tay.

On the assembly has the current valuation to become severe of the assembly said.

movement will be restricted as follows:

| M-1 | 2 Mechanists — Movement in year areas will be reduced to a minimum.

2 Mahmittas—Morenzent in rear areas will be reclaimed to a m Except for small reuse parties, movement in the f is furtishen.

DI No suscement in front line by 2 Conveners and 2 Mahrattas between first light and 0700 boson.

 Despersion
 Bysec is restricted but as wife a dependents possible will be maintained at all from.

Arty.
 See Appendix "O".
 Arry Screens will be carried and will be used as directed in 11 Ind Ind Ind.
 Arry Screens will be carried and will be used as directed in 11 Ind Ind Ind.

No. 18(100(U date) 1) May 41. 2 SARRELING SAN SERVICE IN DISCONSISTED AND THE Objective has been explicited.

19. H. E.

(a) 4 To Care 8 A M is placed in support of her ref follows:

One Sec -- 2 Conserver
Two Secs-- 2 Substantiae

(b) Testes
(f) To make inche forward;
(ii) To nevel in the correlatation by undang strong points
(ii) Sees will NOF be completed in any other master without orders from life HQ.

(c) does not have to recognize the Archive to several the Gov. 1.0. F. several products of the Cov. 1.0. S

(a) Engedate steps will be taken on capture of the objective to present penetration by considerabilities.
(b) D. F. tasks will be arranged by Bo Counds direct with F. O. O.'s as soon as properly on the should be a penetrated.

(b) D. F. Izaka will be arranged by Bo Genete direct with Fr. O. O.'s as soon as possible after the objective has been explained.
(c) Toward positions will be suicd, whenever possible, in front of the even like of the objective.
(d) Wire will be creded at first opportunity and at such a distance from forward.

troops as to put them out of bearing range.

(a) Two A Tk riffers nee by reas he taken forward to could be record to second to eggene egenty stepay portis

P. 1. 0...

Was Critica. - Extra suffers are allested as follow-

2 Mahrattas -90 cuch 30 Bandhar, At the resident two per man will be held in distant for expectations.

(c) Order of Promis of forward described of stores during and after situation

Avergatition,

(a) Units will arrange for their one parrows raction under the command of an

officer for the frameduate supply of the forward troops during and after the

Later at a horsel that make mall be available. his Each ber will counts one surviving party for taking forward were for F. O. O.'s.

C. H. A. A But Day. In notifiting works direct of the town and above them. Strength-Six Other Rocks.

(e) All persented of energying parties will wear a white armhand on the right arm,

(a) No orders, marked maps, etc., will be taken forward of the Startuse Line (b) Mon will be wetseld marketalarly NOV to Phill? should then be send and

They may, however, he informed that there is a reachility of Australian SO SECRECY is OF PARAMOUNT IMPORTANCE

17 Testmotors board proceededs:

16 Bde HO will over at HO present LEPT Sp at 2130 hrs DL-7 day. 19. Location of Ra HQ

2 Cursesons -- In sec. now occupied by BIORY forward Cor of present

-CRACK-regions to NEAR PRATERS and later HOOR -Cretm of area new occurred by LEFT Cox of agreest LEFT

P.T.O.

20. Conceniesbase Sie Offr will aerstore for:

60 Left Vert and Bert to MO 4 Ind Bu

21 I. O.A. Own A Rev. Self. and pressure with Nov. 1. O. 4 Nov. Ref. will respect Bule. WO sa 0900 hm DI day. Big Office of a problem in with C. B. A. 4 Inc. Dec. at 9600 hours DI day

Sunsta for D. F. ofter capture of chirotive are being moved by C. E. A. 4.

Ind Dir. From 1800 hours DI-I day to 2309 hours DI day

N. H. A. BOTTON IN ACK. Tone of surestant 1993 hours DISTRIBUTION: I I R. F.

> 9 Cond 12 Sier. 16 BIASC Office 20 Day L. O. 21 L4-Cid ---

28] War Daary,

99 Mai - /DADMO 26 5 Ind Day 27 File.

CONCRETE ORS. NOT marred to copy Nov. 6, 14, 15 and 16.

APPENDIX "C"-NOT word to copy Nov. 5, 14, 45 and 16. APPENDIX NOT several to sever Nov. 6 S. 14-34. APPENDIX "E"-XOT leased to copy No. 5, 8, 11, 14-20, 22-36.

a The following outline indicates the general content of the appendings referred to in the operation order as given in A. above: (1) Anneadis A.—Reference mans and information on—

(a) Enemy.

(A) Own treens (2) Approach R.—Munrographed paragraphs sketch of termin

occupied by enemy

60 Assentia C.—Task table of the Royal Artiflore, with estimen showing the following:

(a) Serial number.

(A) Tone and duration of figure. 1 Person

2. To. (a) Took.

(d) Rate. (c) Anunomition

(f) Remarks.

(4) Assentis D.-Instructions for brande reserve-(6) Appendix E-Air plan.

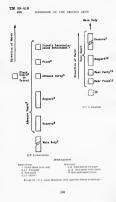
121. British and U. S. conjudent terms for advance guard. and rear guard formations. See figure 100.

194. British and U. S. equivalent terms for the attack .--125. Defensive, -s. The British Field Service Regulations, Volume

11 (Operations-General), 1935, page 132, makes the following state-

19the adoption of the defender does not recognize made weakness or its the theater of operations. It may also be designible to indepe the examp to excefalls in worsthor are given by imporing the exponent first to exect his strength in

A. The discussion of this declares is continued with excepts trees. the more recent British Was Office publication (Insertions Military Training Pamphiet No. 23, Part II (Defence), 1909, nerve 5.-5:





The obstatege which the defense confere upon the defender, where he has been presented at asson, in that he has the apportunity to releast ground that will allow of the present personal that will allow of the present of both development of he there pear of he suspease, and as timed allows, the defense can be proportunity magneted. The clad depart of the defender is to reclaim and related the receiver's force with the meritains expected therefore to the content and related the enterior's force with the meritains expected person of his soon. He may then existent the hadden the content and enterior the desirable the defender of the meritain expected.

"Treeps allotted to the detecte of a boattle ment defend it to the end writtent a thought of withdown! whatever may happen on their right or left, never and with their commencer or commen

"A special feature of the defence responsed by modern account is that it meant be in depth and dempted to withstand attack supported by tooks, betry artifacts flee and armint. The preser of modern verspece is such that the attacker, by exactorizing his offert, care wouldy make a broads on a limited front and to a bushed depth is even as expansional and prepared defence"

answer opper in even a registration of a proposal state of the defended into m depth towards heavily armed peckets of resistance in depth towards heavily armed peckets of resistance in depth or behind an anti-tank obstated. The enemy is removed by one after the other of these peckets of resistance, which should be in tank-spaced benefits. Great stores is now held on disperant frings resulting

all trops in any lefensive position, or one life states and possessive.

128. Organization of defensive position—are efficiency of secretary of the control of the secretary of the control of the contro

This companion and proportions of a distorem possion will be previously assume (process, which will make a present mone of the distorem profits) make a companion of the distorement of the second benefit of th

Character and A will the seath and blocked on the assessment meeting. The deep shoral light task regreent with some medium medium suns will as a role force wart ad the convinc trace. When a consists formation with it own sized personnel is not recorded, an allest again of the personner storage to the personnel of the sovering treeze must be made.

Who withdrawal of the commer terms will be excellent of the extenthe torse at which their fenors are to be walkdown. As the units conceition the covering tenors, with the respection of the anishr, will be required to pressure their compositions in the defending organization, it will be privated on proposican be websfrown to good time. The decelerating factor effecting their with-

denied become is that they must not be withdrawn until the man position is "When the main body of the covering troops is withdrawn, the drawers," resource to many copy of the covering today is expensately compared by abservation on of in front of the covernar position to gage referention and to

name that the movement is properly coordinated by a control of the property control of 10(1). The same of forment defected boulding reprinted by a real obstacky

"Chatrages will be established to frank of the line of forecast defended localities (many loss of recutance) for local protection. They role will be

"(2) To obtain information of the secret's approach; "(2) To man such teme by revisioner or may be necessary to enable the succious

"The distance of which cultivate are placed in front of the main notifice will densed charle on the second. It will be advantageous if they can be placed

b. British officers have reported that during operations in France in 1940 it often was unavoidably necessary to hold extended frontame. With limited researces this may occur again. Under these conditions it may often be deficult to recordic the two principles that a position organized for defenre against a tank attack must be in the greatest depth possible, and that an obstack must be knot under smell-arms fire throughout its length. However, to keep the whole length of the elasticle under small-arms fire may be possible only at

the expense of depth. e Under these electronismess death must be the primary consideration and some case in the helt of fire along the anti-tenk obstacle ment he recented. If these conditions prevail however, it is resential to maintain mobile reserves which one counterattack the enemy or soon as the latter has discovered the mps and commenced infiltration.

TM 30-410

Furthermore, these gaps must be constantly observed by day and night either by patcelling or other entiation access in order to get the actient information of any enemy predictation or other activity. 137. British and U. S. equivalent terms for regiment (British hadeds) in defence. See inventil.

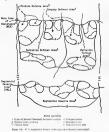


Figure 18.— Unsupered to demand from contract these community.

128. Taction of carrier platocon.—a. Organization.—The organization of the carrier platoco, an integral part of the rifle battellow (see par. 26 and fig. 9), will inducted of in figure 112.



(4 secretar sections

5-0 N 334

A. Characteristics - (1) The corrier is bullets out around rife fire on the same level, but the crew is vulnerable to fire from above, or when the coarier is on a forward slope. It is, therefore, a partially nemtested vehicle only. (See fig. 113.)



(2) The carrier can move fast arms coul country, but will be (2) The carrier can move rast arrow good country, but will be stormed by trynches, by any obstude which is a tank obstacle, and by many which are not. There will be accessions therefore, when it will many which are not. There will be occasions, interestive, when it will be anable to follow tanks forward. Continuous secuting will always be managery

(1) The light machine-erm detachment, consisting of two men. cannot be expected to do more than been the our to action either in the vehicle or on the evenual. Once in action, the datachment has fittle or no nomes to reptest itself by observation, and is therefore Billio or no power to protect itself by observation, and is therefore your vulnerable to a quick attack by one or two determined informayear. If an impleted position has to be held for any length of time. the three detechments in a section must be sited to provide mutual connect. Carriers carnot earry out monoice up operations.

(4) The period of discounting from the earrier and setting into action is one of considerable densire to personnel and valuele. Disrecording reset by sacried out under cover and very quickly. The mounting must be earried out under cover and very quickly. The -like withdraw to the same of other twoors or most be concerled close to the LMG and under cover

(5) The fire power of the carrier platoon is considerable, and the plateon should for short periods be able to hold a front vervino

from 500 yards to 1,000 yards according to the death in which it is disposed. But, as stressed above, run detachments are very valuerable unless protected from the flank and rear. (4) ffb. 134C are more fire to effective from 406 words as from closer up. There is no need to move close in to a target to gain fire

effort (7) Prom these characteristics the testical appleament of the say, rier may be deduced. It must be remembered that the carrier is not a light tank; it is an amound muchine designed to convey the

LMG from place to place and a machine from which the LMG can be fired if necessary. e. Carrier plateon in attack.—(1) Teaks in attack.—(a) Close coopera-

tion with infantry alone (figs. 113 and 114) (b) Close cooperation with infantry and infantry tanks.

(a) Flank protection.

(2) Close convention with infantry above. (a) Throughout the attack, recognitioned by both the infantry commander and the carrier commander, especially for the purpose of obtaining knowledge of terrain features, must be continuous. Points to be looked for are likely carrier positrons, the line of advance, and obstacles to movement.

(b) During the advance, the infantry commander may realize that some of his leading tesspa are held up by fair from enexay deferee areas. If the advance is only partially decided, by may decide to assure forward his extrace, in the immediate rear of the troops still deviacing, to position from which the entire on hring fire to hear on the enemy from the floak or rear, and so enable the advance to continue.

(c) On other occasions, express may be sen, where is a mass or a position from which flushing five regimes to any resistance may be employed.
 (3) Clove cooperation with informery and informery tracks—(a) When-the inflanter actuack is supported by a prescranged fire point, the case.



riers will usually be best kept in hand as a mobile reserve of fire power.

As the attack proceeds, they may be used to infiltense through again and to true carring arous within the wealth inding one, set growed is thank. (b) The attack spinors light opposition will often be more in their nature of an obtrace, and will teleprated to distribution and morever. In such cases carriers may precede the infrarity, reconnuctiving for mean in the inferious and them of convex constitues.

ver. In such cases carriers may precede the infantly, reconsistering for gaps in the defence and disaks of enemy resistance. (c) In an attack in which infantly tanks are cooperating, the relaof the earner photon, provided that the ground praisits of its moving feward, is to dwarner from fire testillon to fice position in order to give these support to tenks moving about of the infrastry. This inguing is the first instance does support against anti-other weapon durbung themselves within the eres of states kent as the fluids of the state, and, allocatively support support support support such develop the state, and allocatively support support support support such develop moves already to the fluid objective, the carrier plations will marely due to consumptor, the objects, but all pushedly zones protected by the tends of the second orderies. As the industry with the execution of tables propose antitatively serious for support of the objects of the second orderies. As the industry with the execution of tables are proposed antitatively serious found to the support antitatively serious found to the support antitatively serious found to the lowest it.

But plans will vary in scoordance with dirementances, and no stereotyped method can be contemplated.

(4) First protection—(a) Finck protection consists not only in theoning range constructations, but also in the neutralization of

remany fire coming from the flank. Efficient performance of the task depends mainly on good observation.

(b) Carrier platoons and sections employed on this task may be attached to leading rifle companies, or given an independent task directly under battalen control.

directly under battahon control.

(c) The closest cooperation with leading rifle companies should be

(c) The crosses cooperation and Resting for Computer solution makes that an air array shatoon and section test constants should make full use of their carriers for keeping contact.
(5) Conscisiation—(a) On recolling an objective there will, as a rate in the measure of discremination, and it is then that the

rias, ite state analyses of the department is immediate counterstated; tateoning troops on most vulnerable to immediate counterstated. The setual objective reached may not be the best ground on which to considerable in purcoss of consciliation will therefore facilities recognization of the position for deforce, the recognization of troops, the repossibleness of ammunities, etc. Carriers will often the most vulnable to correct considerating troops during that very difficult problem, and at they are used in this role, they

Carriers will often be most valuable to correc conselidating trouge during that very difficult period; and if they are used in this role, they must be relieved as soon as possible.

(b) If the ground is not similable for the employment of carriers in a lighting role, they may be used to bring forward amusunition of all acts, mosters, were, auditating mines, and interechairs cache for con-

collisation

d. Carrier plateon in defence.—(1) The tasks that may be allosted to carriers in defence are—
(a) To assist the outposts.

(a) To assist the outposts.
(b) To provide a mobile reserve of fire power.

(c) To support counterstack, by dismounted or armoured action

(d) To give depth to the defensive fire of the bettalion.

with outsout traces as by day, they can be established forward of the

contract line and no give early recognized the enemy's approach should be supported by infentey. On ine to the limited number of men that excess can excelle for observation, carries are easily stalked

(0) Cheelers as suchile reserve....(a) A mobile reserve of fire power will enable the battalion commander to support hard-present grand ston man, and obtain accurate by fee from proceeded discretions Careful prior reconnaissance by all reaks of the carrier plateon will be

necessary in order to insure an intimate knowledge of the battalion (b) The battalion commander should, as a rule, bold all carriers under his own command in defence, and not dispuse them by allot-

ment to companies. (4) Carriers in sousteraffeck,—(a) Carriers can be used quickly and holdly in the immediate counterstack, in either dismounted or

armoured action, or they may be used to provide supporting fire from

previously reconneitered positions. (b) Amin, all ranks of the carrier platoes should acquire a stood (9) Again, an ranks of the carrier passon should (5) Currier fire noner in defence.—The currier platoon should rarely be employed in the static role of increasing the death of the position.

unless runs so afforted can also be available as a mobile reserve. At night, or in few or mist, the TMO's of the surries winters can be means of the tripod, he laid on fixed lines. If the corriers themselves can be concealed close at hand, then it may be possible for the two roles—the provision of depth and a mobile reserve—to be linked, but the retention of a mobile reserve is the first consideration.

s. Garrier platon in protection — (1) Advance and against of contact.— Carriers can be used in the advance and contact phase, when uneful

short recognisisances can be made to the front and flanks. The method of movement on reads or across country on all occasions in face of the enemy will be by bounds, and extricts will often be used to take over and hold points extend by reconneissance treens. (2) Flank courds -(a) Carners can be used with advantage on

flank guards, whether fixed or moving parallel to the column which they are rentection. In both cases their shiftly to move ordebly from point to point can be so used as to give to the enemy the impression that the flank is wider and more strongly hold than is actually the case. (b) Carriers can also be used as detached posts on side roads. The distance of these posts will depend on the topography, but, as a role, they should not be further than is necessary to safeguard the main

they should not be further than as necessary to sateguard the manucolumn from direct fire or observation.

(c) This door will usually consist of making temporary barbed wire

(c) This duty will usually consist of making temporary barbed-wire concertion road blocks, covered by the anti-tank raffe (3) Rear quarks and withdrawal.—(a) In a withdrawal, the carrier relation for use a most unitable with for building an intermediate resistion.

(3) Rear quarter and withfraunt:—(a) In a withdrawel, the earlier plateon forms a most untable unit for boiling an intermediate position through which groups of the rear guant withdraw, whother the action takes place by day or night.
(b) In this form of action there are pullimited comportunities for

initiative. By a skillful maneuvering of the centiers behind ridges, using either distributed or summered soilor, the enemy case be deceived as to the strength of the eres greate. As an alternative rearguard section, on suitable greated, curriers may be left in ambush in concealed and camouffaged peritiens, belong their fire until the crossey is obsectionable to be so pussibled that his advance will be showled.

tectics.

f. Other uses in usar,—(1) Carriers have been found to be of value.

n— Beconnaissance.

Intercommunication.
Wood, village, and over fighting.

Raids. Night operations

Carmen have also been used frequently to transport
 Small-arms ammunition, grenades, etc.

Small-arms ammunition, gree Tools. Movies.

Wire. Anti-tank mines.

Romforcing personnel. Wounded

(3) Die of carrier as reconnaissanse tekiele—The semestr and mobility of the carrier permit recommunate of all kinds to be carried out this speed and compensive safety. This recommissance undutes—(a) Inspection of occupied defence areas by brigade (regimental) and betiebton communities.

(b) Flank reconsissances to find the location and examine the dispositions of adjacent units
(c) Short-distance reconsissances forward of the main line of

(c) Short-distance recommissances forward of the main line resistance, in the nature of daylight patrols.
(d) Recommissance of uncreasive positions during withdrawale. (c) Close reconnaissance by junior commanders and by intelligence

(i) "take" reconstructors by discovered conductions as so securities of the personal of cleants of the deferee under fine.

(a) Interconsumerication," During buttle the carrier has been found to be a good means of intercommunication, and has been need in the experity by lettlebus, company, and plants of the experity by lettlebus, company, and plants of the experity by lettlebus, company, and plants of the experimental control of the experiment

fact, on many oversions replaced the runner as forward areas.

(5) Wood fighting—In spite of the disadvantages of brurg excitated to reads and trails, and of bring lanks to cassalism for some soft trees, etc., carriers have been used to advantage in wood fighting. The method has generally been to be insider as the undergoods to the near sale of chariting and imprise the eventy as he emerges and the decision.

reconnected lines of withdream).

(b) Bive, felding—Carpiers have been found useful in holding up the enemy at each land river recovering, especially a to some easily where the carpiers could move up and done and seed every, or even primit in the carpiers could have used to be carpiers and the carpiers of the carpier

Examples for two such cases follow:

(a) On one occasion successful artism was carried out when 3-inch mortum shelled some farm buildings, and the carriers, moving around

on both finals, struck the enemy as he withdraw.

(8) On another occasion the carriers of one unit penetrated the advanced elements of the hould industry, thus slowfug up its advance. The raid entailed a cross-slong 3 or 4 sales of read within an area occupied by the enemy, and all bastle units which were sact either field or took cover immediately. The appearance of tanks could not have been unor effective.

(6) Transport.—On numerous occasions earriers have been used to transport transitions and reinforcements across fire-awept terrain, where other means would have proved richer impossible or very costly. Carriers have also been frequently used for earrying back wounded.

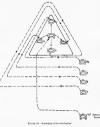
- K 30-410
- 129. Leaguering ' (hivouses of armoured regiments).—a. General.—Becomes of armoured regiments in Libyan desert warfare are called leaguers by the Bettals, and full into two entegories:

 (i) Leaguers, but he day and he wisht, when contact with the
- Leaguers, both by day and by night, when contact with the enemy is expected.
 Leaguers when air attack but not ground attack may be ex-
- pected. This form of leaguer involves merely dispersion, siting of anti-alternit positions, digging of slit trenches (see par. 130 b), and montenance of strict light discipline.
- meintenance of strict light discipline.

 b. Principles insolved.—Leaguering, when ground attack as well as its state, in organized, inventors the following astropicals:
- an attack is expected, involves the following principles:

 (1) All-around protection must be secured. Although units may
 be so sated as to afford mutual protection during the day, this is not
 possible during the night, because of the danger of firing on other
 threadth ranks and valority in the larger.
 - (2) Every vehicle must halt, facing in the proper direction to more out at a moment's notice if necessary.
 (3) Dispersion must be maintained during daylight hours, leat
 - (3) Dispersion must be mentained during daylight hours, lost visual distance must be maintained after dark.
 (4) Perimete deferee must be maintained.
 - c. Opes requer—During the source of nickygpis, since are normacinto what is known as an open in longest, which is a form of dispersed herome. Vehicles are disposed in generally the same manner as when moving during the day. If air attack is expected, however, intervals moving during the day. If air attack is expected, however, intervals that the open begger as all association of the open begger as all second defence is labilitating maintained. It was open begger as all second of the open description of the dispersion of the dispersion of the defence is labilitating maintained. Use no below for the night in this contraction of the description of the dispersion of the dispersion of the defence is labilitative.
 - d. Citte Gespere (fig. 116)—(1) Upon halten for the night, unless of the size of a regionar as formed into which is howen as a clear for the size of a regionar as formed into which is howen as formed in the size of the
 - The Bettle benchmark the term "harboring" and "inscripting" cours as procures of the America was "harboring," "The Bettle in Schieburch," processed, but all because it states that the course close is the america of "hermonicism," that, come because the "harboring is the best applied decide the processed are particularly before quality to proceed to temporary in respective the best applied decide the processed are particularly for the quality from the "processed to temporary in respective the best of better deport specialism." The term "harporring" or "the quality "has devived by the Basach best device best "harporring" or "larger," which was always their creates a terminal decided decided.

(2) Night Estering posts, as well as day patieds, are kept well out from the language. Amounted whiteles are not used for this purpose. Within the inquire one tank or other armounted which is idealled to approximately overy five vehicles. One mas in each vehicle is always on the slott, and these centress are changed bourly.



(3) The lights which are necessary for administration, natintenance, and coloung are carefully conceiled by tarpestine. When there is no disager of observation or attack, a legace light is above intermittently in order to assist "B" exhibits or other units in finding the legace.

(4) Except in cases of emergency, radio ellence is observed during the boson of darkness and for at least half an hear before moving into the leaguer area. Just prior to down, "B" obleton moves to the case. When there is no darger of an ettack by current wound force.

rear. When there is no danger of an attack by enemy ground forces, the open leaguer is used for both day and night formations. This is done in order to provide dispersal protection against air attacks.

done in order to provide dispersal protection against air attacks.

130. Anti-aircraft defence.—s. Riftenes and Bren gamers.—
Riftenen and Bren gamers are trained to take anti-aircraft targets

Riffearm and Bren gumers are tremed to take anti-sirrenft targets while swinging guns through an are, sait to fire with a 12° lead.

6. SSR trender.—Although passive, the "afti trends" is unquestionably the less means of anti-sirrenft defence for the unlividual. When-

ever a unit is halted for any appreciable length of rime, mon one trained to prepare so ofig differenties a coore. Units which mode great use of hit treather in Greece relative dimer to consulties from most arration. Due to the contract of the contract of the contract to the contract of the contract of the contract of the contract of the posterior which is affected them by the shift terrich, keep fig all terriches most endirectatively and becrease very resemblant solution at attacks. If there is time, a filt terrich decold be due deep records to attacks. If there is time, a filt terrich decold be due deep records to the contract of the contract of the contract of the contract of the second of the contract of the second of the contract of the contract of the contract of the contract of the second of the contract of the

c. rie oposiac— na arcone, kmi-netricus productions ne pennastry defensive. Six terentos ne digy velocios en dispersed with from 10 200 yards between velocies, and as lesst on-sibiled of the light machine gens are mounted for susferienced defense. When area. Bevonasca arc unally by battalics or other small mini.

d. 9s its wards—10.1 The Bern curs on Modern mountains are

4. On the wavels—(1) The titten gents on Mothey monutogies are dispersed throughout the evidence or formation. At least on-changed of the light nucleince gent exit do cores bows of trooks or are otherwave mounted for anti-interest forfere. An article interiorest sectory a placed on each vehicle. Opprings have been out onto in the topo of all closes-boulded or cincercless trabels to make at possible for a scatty to stand on the driver's sent and have his break and devolutions protunds through the top of the vehicle—see gen Tills.)

governmentally are only or an event of the part to be your proposed of the continued by the part of the continued by the part of the part of the continued by the part of the

Lest "exts") .- Speed, which is expressed "miles in the hear" (mile). means the avenue speed over a route, unduding the time spent on short helts on to 10 minutes in 1 hour, or 20 minutes in 2 hours. (9) Confeins award (U. S. coninstent "excell").—The spendometer reading at which a vehicle must travel over open sections of read to reacting at which a venicle must thave over open sections to reach to

maintain a given average of speed (i. e., min) is known as "crusing enced." It is expressed as "notes nor hour" (mith). The relation between experienced as many per nour (mpu). The relations for example, gradients, defiles, truffic, etc.

e example, gradients, denses, traine, eve.
(20) Densets (U. S. "densels/")......The removal sparing of vehicles on.

(8) Denetty (U. S. "density") — The general spacing of vehicles on a route is known as "density" and in expressed as "vehicles to the mile" (ates). First to ten step will mobable secons are observation. Ten vim do not offer a great hambiner torget. Thirty or forty vim see surrable despittes of might

(4) Time next a right (U.S. corindest "time length") -The following formula men by until to obtain the time post o point in property 66 minutes Number of vehicles

Thru the 2.500 vehicles of an embusued (entracked) division moving at 120 mile and 10 were will take 1 200 rejector, or 20 hours, to you a point. With allowances for owns between unit or formation ercome of

rehicles, this farms becomes anarro imately 20 hours. (5) Group (II S controlled "morel unit") —A order is a small number of publishes mening as a formed suit

(6) Storting point (SP) (U.S. emisulent "initial point" (IP)).—The SP is the place at which a column or group is timed onto the route. Columns, groups, etc., pass the SP at the speed and density ordered

(T) Traffic control and (TVP) (II. S. eminolest "traffic rentrol point") -TCP's are posts along the route through which the move is controlled. Necrosity, these are not necessary for small moves. (8) Dispersed soint (II. 8: equipplent "release noint") -The dispersal

nount is the place where a column or group is timed oil the mute at

A Responsibility of staff for moves by road.-- Devisions reprograins monoment are made by the commander. The General Staff is then composable for the begintized agreet; for instance, the other of moves of units and formations. The "G" Staff and the "Q" Staff arrange the move penerally. The "A" Staff is responsible for the traffic control ammagrounts of the more. In an infentry dryings the securior will

monthored; we also p. 500, roles 3-5, sad p. 360, sota 7.





(1) The divisional commander makes the decision regarding a move.
(2) GSO 1 decides on testeal aspects of the move, and consults with AA & QMG regarding the administrative problems of the move and the administrative layout of the division at the end of the

more.
(3) GSO 2 writes the general operation order dealing with the move.

(4) GSO 3 (O) with DAQMG arranges the settad move, that is, movement tables, staff (chies, graphs, etc. (5) DAAG (and) DAPM) arranges recessary traffic control for the

(5) DAAG (with DAPM) arranges necessary traffic control for the move, obtaining additional traffic control personnel, if required, thereach GSO 2.

theoretic (1907).

c. Mercenent (twored) toble —See figure 116 for an actual British devisional movement table for a motorized unit.

Chapter 7

MILI	TARY	INTE	LIC	ENCE	IN	THE	FIELD
Stense I	Consent						Par
II.	Ovysens	951008					188

SECTION T

132. Methods. The methods followed by the intelligence service of the Bergh Army in the collection, evaluation, and discrimination of military inferrestion are similar to those used by the U.S. Army

Secretor II ORGANIZATION

				Transmi
но				133
HQ House Forces				134
repri				135
Wildest				136
fastry brigador				137
valey and tree, brigades .				135
tillery formations				139
telligenee dator in unds				140
OWO - The Year His	 Quality.	-10	HO I A	

183. GHQ.—s. The Intelligence Section of GHQ is directed by a General Staff officer known as GSO 1 (I), and as divided into four subsections, each under control of a General Staff officer. The general distribution of intellurance duties among the sub-sections is so follows:

Ix-Organization and administration Ia-Information

Ic-Carporation publicity, and propagate

A. The organization shown in figure 117 is prepared on the basis of

a field force of a steength up to four or five infantry divisions, and may consequently require expansion or alteration to suit any particular campaign.

90. 410

000 1 (0)

has discover accomplishers. Occupantion of motions, orbital save by the field. Links with Prints and

Constitution of work of sols. Collection of Intermedica In-

that feld course Linkson with ADMINISTRA

St. Carl Mildery specific

pully and patern. A Day on all

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. In addition to the fore sub-sections mentioned shows there is a e. au manimo to the nur sup-orcusus memorica shove, there is a Sorrow Directorate which is responsible for all appetings on surveyore and respective. The commission of this office is as follows:

POUL SERVICE (FS) DERUCTOR OF SURVEY

ANDROLDS PARTORS OF STRAIGS

Descriptions and equiplements of the Field Servey Description. Field mercy personal constraints, interest encount, store, and transport. Field corner was diam and special records.

FS to Find Survey FA (n) War Topographs Many and Publications Asopisidana, recogniser. Torography Cores Production, respins current and more. Imnumer muldweisers in

excellusion of these tade of an abetomanks by actificer for averd-

received and Sanburget-134. GHQ. Home Forces. - The Goncool Staff "I" of the GHO

Home Forces, is similar to opposization to the General Staff "I" of a Sald CHO. The major difference is that in the farmer there is no newicion for on Is section to handle consensity, publicity, and reconcanda. The "P" branch of the GHO, Home Forces, maintains very close listson with the Directorate of Military Intelligence to the War Office and with the Admiralty and the Air Ministry. 195. Corne - The intellurance duties at corns bradequerters are under the direction of the protec General Staff officer and are carried

out by a GSO 2, assisted by officers of the Intelligence Corps. Officers for intelligence duties are also allotted to the community, correctional Avrillery, and the commander, come medium artiflery. The duties of GSO 2 include-(1) Constitution of intelligence work within the corps.

(2) Collection of remote trees formus areas.

(1) Distribution of any information of value to those who can make (4) Arrangements, in conjunction with the Adjutant-General's

branch, for the interpretation of prisoners of war. (A) Supervision and execution of all accurity measures prescribed

A The curry handomerters Deporte Assistant-Director of Sorrer acts as the advisor on technical subjects. 138. Divisions ... The anti-flavorer duties for divisions are directed

by a GSO 1. He has an intelligence staff, whose duties company a Coordination and concretion of all intelligence work in the

divisional area of operations. A. Collection of intelligence and its teamerisasing to higher purhasity c. Distribution of information within the division.

d. Arrangements for air recognisioners and six shotoments and for the custody, interpretation, and distribution of air photography supplied to the division.

e. Arrangements for the preliminary examination of prisoners of

f. Arrangements for the provision of more 127. Infantry brigades -- a. The Brigade Intelligence Officer Bids 10 on BIO1 noting under the orders of the Drivade Molor, soordinates all intelligence duties within the brigade and within the limits had down by harbor authority. He is held removable for the times paid down by higher authority. He is need responsible for the collection, collation, and discremention of all information obtained

within the brande area of operations b. Among the responsibilities of BIO in the field are-(1) Identification of enemy units

 toenthiceness of enemy units.
 Watch on enemy dispositions, movements, and field works within the between one of open tions

(3) News of, and deductions to to opener intentions (4) The study of all intelligence reports and summaries

(5) Topography of adjacent country perticularly as effective the powernent of armoured fichting vahicles. (6) Distribution (unward and downward) and record of information

(7) Arrangements for the disposal of prisoners of war and of

(8) Supply of maps and air photographs to units. (9) Security measures to be adouted within the brigade.

(10) Unkern of the brigade cas men a. To assist in the execution of these duties, BIO has at his disposal a small beirede intelligence section.

d. BIO must constantly be prepared to produce for his communder an estimate of the situation from the point of view of the energy e. The responsibilities of BIO in connection with air and ground

recommissance are as follows: (1) Air reconneissance.--(a) He must be preficient in interpreting air photographs, and should lose no opportunity of studying the air

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(b) Information of immediate importance obtained from air photographs must be communicated to units even before the photographs

themselves reach therm.

(c) He will bring to the notice of the brigode community sill intelligence glorand from an sources which may effect the operations of his command, and he is respectable, under his celera, for the dissermantion of such information to lower units and other twoors whole

remains a superstating with the Integrals.

(3) Geometric Committee of the Committee of the

that any information so obtained reaches him with a minimum too or time.

(5) He should coordinate the intelligence work of subordinate units in order to insure that exemy troops which have once been located are

light under continuous observation.

138. Cavalry and tank brigades.—The task of collating information and of looping the commander informed rests with the Brigade.

Intelligence Officer.

138. Artillary formations.—The artiflery intelligence staff and other personnel of the artillary whose duties involve intelligence work

are as follows:
a. Corps gridlery.—(1) At Hq, corps artillery.

One captain, RA.

One captain, RA, for hision with the RAF.

(2) At Ho, corps medium artiflery.

One coptain, RA (As CBO's (counter-battery officer's) asone licoteman, RA (elliprace)

(3) Dieler.—(a) The explain, RA, appointed to corps artillary. He for intelligence duties, collects, studies, and collates at tillery information from all sources, weeking in close cooperation with the intelligence scotten of the General Staff, which he keeps informed of artillary intelligence requirements. He under a perspect study of eventy intelligence requirements.

tentions so shown by artiflery activities.

(3) The coptain, RA, at corps satisfery Hq for limiton with the RAF, coordinates within the corps the results of artiflery air recon-

managemen.

(c) CBO's assistants, in addition to their other duties, are responsible for the intelligence work of the counter-instrury office (for example, the icention of hostile batternss); the examplation and filter

of aboteometers the beening of shalling reports, people, and morest artillery intelligence from observation posts, the nir, fisch-spotting artillery intemperer from otherwises posts, on our artists and other courses of information. It must be remembered that apart from its value to the actifiery, counter-hallery intelligence many also formich a solde to the enemy's intentions and many therefore he of manedute importance to the General Staff. When CB control is describedized to divisions CBO's resistants will be attached to divisional actifiery He in order to assist in CB week.

60. One of the limited ents. BA at some medium autiliary Her carries cut duties similar to those of the brotested, RA, for reconstructors and intelligence for divisional artiflery. He will get much of his information from our observation and air photography and number keen in close touch with the Air Intelligence Linkson Officer (AILO). He must also be in closest liniary with the counter-battery stoff A Tablelonel artiflers ... At divisional artiflery Ho there is a bros-

toward RA for management and let Manage Was delice and (1) To collect information concerning anemy artillary events artillery, the general estration, and the particular estruction on the

(2) To collate information and keep on intelligence situation man. (2) To keep such counter-hattery records as are necessary. (4) To supply information to the General Staff of the division,

with whom it is assential that he should work in close cooperation, and to artillery regiments, corns in tillery. Ho, corns, medium, artillery Ho, and the satillery Ho of neighborine formations. 140. Intelligence duties in units .- s. The personnel for intel-

ligence duties varies with different arms. 8. The duties which the intelligence officer may be called upon to perform include the following:

(1) To organize the system of intelligence within the unit. (3) To observe and report enemy movements and dispositions. (3) To study the progress of the battle on the front and flanks of the unit, and to be remaind to give information on the dispositions.

of his own unit end of friendly troops. (4) To study the topography of the unit area and of the surrounding country, including lines of approach to and from the enemy's

nostlan. (5) To collect sift, and collect intelligence reports emanating from within the unit, and to distribute the information to obtained to higher and lower Ho's.

(6) To study the information received from higher sutherity or

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friendly units, and to draw the attention of the unit commander to any items of importance.

(7) To make that the unit is kept supplied with up-to-date samp and air photographs.
(8) To see that orders are carried out regarding prisoners of was

(8) To see that orders are carried out regarding p and captured documents and material.

(0) To keep unit intelligence records up to date:
(10) To supervise military accurity measures within the unit.

SECTION III

INTELLIGENCE CORPS

Outpered 15

142

141. General. — The Intelligence Corps is made up of officers and eslisted men with special qualifications and training. This corps is controlled, under the orders of the G8O 1 (1), by the G8O 2 in charge

of the expansation sub-action of the intelligence stell at GRIQ, assisted by the Commandant of the Intelligence Corps.

6. The Commander-in-Charl of each field GHQ is sutherized to attach to the intelligence section of the General Staff preserved from the Intelligence Corps. Other sections of the Intelligence Corps are

attached to corps and divisional headquarters and to the line of communications (L of C) as a.

A The Intelligence Corps as such does not exist in peacetime.

142. Commandant.—Working is conjunction with the organization sub-section, the principal duties of the Commandant of the Intelligence Corns are as follows:

a. To command the corps and to superintend its organisation and administration, and the discipline of its presented.
b. To every out any changes in organization rendered necessary by

 To earry one any countries in expansions remove a recessify by modifications of policy or new developments.
 To arrange for and to supervise the training of all ranks of the torps.

d. To keep in close touch with the requirements of the General Staff and to provide suitable presonnel at short notice for special duties.

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Sacuros IV

AIR COMPONENT INTELLIGENCE

163. General.—The air officer commanding at GHQ and the air force communitors stateched to the bendquarters of lower formations obtain the followers information from care intelligence stells and

defence formations, and air-force sources

 The order of battle of enemy air forces.
 Reports of enemy air activity, raids, etc.; this information is according to an enemy of the properties for the are defence organization.

generally passed to air headq e. Enemy sir intentions.

d. Enemy air taotics.

« Enemy air cassulties, losses, wastage, reserves, resources in personnel and air material, repair facilities, details of equipment, declarates and references of viscours.

development and performance of invents.

f. Captured enemy sinciaft, equipment, and six-force prisoners.

Florence authorized deforces.

Enemy anti-servaft defences.
 Suitable ground objectives for an attack and the effect of ranks

T. General intelligence regarding both air and land operations.

SECTION V

RECORDS AND MAPS

144. Records of information.—The following records are kept by the brigade intelligence section: a. "Execus Order of Buttle Reck,"—Particulars as to the enemy's

order of battle fall into the following categories:
(1) Identifications.

(1) Identifications.
(2) Titles, organization, and composition of formations

(3) Characters of commanders.(4) Fighting qualities and morale.

(5) Assument and equipment b. "Own Force: Book"—This information is kept in a book form on the same principle as the "Esseny Order of Battle Book."

Bright in Illinois a community is a personnel properly of infor-

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d. Brigade intelligence diary (wobile).—This dury is kept for use when there is an advanced (se real) brigade heodymoters or when the bounds bendunctors in on the wave and derived and office furthers.

are not available.

148. Situation maps.—The maps that abould be maintained are—
a. Situation map.—Preferably for a large area (such as that of the

a. Situation map.—Preferably for a large zero (such as that of the division and the flushing divisions).
b. Brigarie communite's map.—Portable, correting a mutable area (recobally that of the division of which his brigade is a part).

e. Brigost convendor's very (hydiosts)—This deplication is necessary in order to issue that the brigoste commander has an up-todate map for a sudden more to a recommissance, conference, etc., or for use on return from such absence.

for use on resure from such absence.

d. Situation scap (modife).—Portable, covering a smitable area
(from the largude become area to the forward echilens).

d. it recent sours.—Smithly large were with tracting cover which

e. Air reports sap.—Suitably large are; with tracing cover which can be removed every 29 house or when detail gets confidency, each tracing is numbered, recorded in the brigade intelligence duty, and filled with it; information of both enemy and own troops is recorded an received.

Chapter 8

MAPS AND CONVENTIONAL SIGNS AND SYMBOLS

Beaks 167
Brotiers of reference. 168
Arrai photography. 169
146, General.—British mans are similar to U. S. mans, but

familiarity with their marginal data is essential in order to obtain a working knowledge of them.

147. Seales.—The British have adopted the scales of 1:25 000 and

147. Scoles.—The British have adopted the scales of 1:26,000 and 1100,000 (and surable smaller scales) in areas ourside the British isles. They plan to use local graft and local scales when necessary, within its British lides, may are made with a scale of inclusion to the mile. The following indicates the relation between the usual British and H. S. scales.

Rest to b.	United States			
Boale	Common name	Sesie	Constant	
I unch to 10 males % both to 1 mile	Secall Secall Secall Standard Large Large	1 606, 660 1 903, 440 1 130, 720 1 60, 360 1,40, 660 1 90, 660	Small. Small Intermediate Medeum Large. Large	

140. Systems of reference.—a. Graveal.—The British System was adopted in 1919 and remained in use until 1927, when it was superacted by the Modified British System. Suitable only for large and medium scales, the British System is of httle assistance in de-

scething the movements of surchanized traces or in fraction orders concerning a large area. The Modeled British System is now in tree

on all military editions of mans of Great Britain A British System (4) Description (The mid is composed of

secures made by lines running north and south, cost and west. Every touth line is thirteened, thus making large source identical in size. The thire lines member some to divide the thirth lines into tenths Each of these large squares is given a letter, tes example, P. L. M. II. O. and R. The southwest corner of each lettered aware is the starting point from which the constitutes are measured. Each lettoyed some thus becomes an independently rembered grid, points he're located in the square in the same memor as on U. S. sellitary grid maps. The distance cast of the southwest corner is read first. this being called "casting." The second reading is termed "northing" and involves measuring the distance north of the southwest corner.



A complete reference is composed of the letter of the square followed

by the resting and the posthine; for example, O 7506. The marger of writing the coordinates should be noted. There is no dush between the resterty and northerly coordinates; the figures are run together as shown above and in farure 118. (9) Use. This particular system was designed for one on the year

absolute 1/20,000 man neuro of Great Britain. Location of coordinates is easy on these muon because is each little (hilometer) source are printed two favores, the first of which is the number (eastmonth) of the most odes, whomas the accord is the number (northmends) of the court often (See Sec 118.) e Medided Builish System (1) Granul In the British Senters

in the smaller scale many it is nossible to have on the same sheet two

identical map references referring to two different places. The Modified Buttsh System obviates this difficulty.

(2) Denotyping——In this system the area is divisied into squares of 500 kilometres, to the spin, each of this is desumated by a letter.

1.3	Ø,	0	8	ı		×R	
we l		7	3	٩			
8 . 3	1	7	1,	~	*	×	-
· II		. 7		d			
	,2		*	,4	<u> </u>	н	200
2	V.	•	,	ı	J. Wal	W	
	978	7			0	7	
× d	4	V,		- Y	-)	4	-
1 -1	l	Orid b	atrochus, Ma	(Mod Free	Aprico	1	Ï

Each of these squares is subdivided into 25 squares of 100 Mbinneters to the side which are also lattered from "A" to "Z," omitting the lotter "I," (See fig. 119). These squares are again subdivided, each into 100 squares of 10 Mbinneters to the side.

(3) I sick to IO wife says.—The side of each 100-kilometer square are thickened, the appropriate better is pertod at the center of the square, and to the left of it is smaller type as printed also the left of the 500-kilometer square in which the 100-kilometer square for the foot-file of the square in the side of the 100-kilometer square for the problems of size forming the sides of the 100-kilometer square, every continuous square.

195. The number denotes the distance in 16-billionates units of the and line and or routh of the left-hand bettom comes of the 100-Independent lettered square in which at less. This is the point to which man references are normally referred, hence it may be described as the point of reference. Thus the point P in figure 120 is 6%, units seet and 8% maits porth of the neutral of reference. It lies in source vII its reference is therefore vH 6355.

(4) It inch to I will man. The strid in this case is the same or that (4) § mcA to I wide usep.—The grid in this case is the serie or these on the 10 wides to 1 such man, but owing to the larger scale it in nomible, without unduly observing the detail, to trink the letters of



sources as shown in Leure 121. The sides of the 100-kilometer bettered assessed are thickered and the reference letter to the 500s hilometer source is shown in the smaller type in perentheses. The reference of the point P m figure 121 is the same as in that in figure 120, namely, (v)H 6815, but in this case the smaller letter is usually omotted

(6) I find to I will and larger and many ... On more of these artists. ohers there is no non-ibility of dualization, the letters referring to the 500Allometer and the 100-billometer sources are emitted from the erid. A small discount in the man majorn indicates the letter (or

MAPS AND CONVENTIONAL RIGHE

Interest of the 16th Minuter requires for squares for this the perceival states from See place XXII). The 18th Minuter requires are further unbidrieded into 16th squares of 18th Minuter to the sole; the sole of the obligation of the same with the sole of the grid less are under the Minuter squares on that there and not the grid less are sure under this time in hidwarder units, the clusters of the grid line sour market of the point of reference. In the obsert margin every grid line used in so numbered, and to every texts number to stelled, in smaller pears, in the complexity of the stellar to the stellar to grid the grid of the coordinate former to the fifthest organs of the grid eyests. A precommission former to the fifthest organs of the grid eyests.

M		(V)	X				K
\Box	8	-	L		8-	Ц	-
1	273 171	4 :	5 (-	7-	3 9	-
+	6	-	_	\vdash	6	-	_
(A)(A)	15	(V)	H	Г	5-	10	rß
	131			·P	3		
1	2 3	*	5	5 7	2-	9 9	-
22	+1+	-	0.0	-	1-	-	G
04	Ш	(V	M		L	_	1

point reference can be given to the averant tenth of a ferrometer Thus, an Sigure 122, the point Q is 55%, unite costs and 55%, mate north of the point of reference. Its reference is therefore (33078). The appropriate square better may be included before the reference, but this most consistent extensive Field XII is an Shartenton of part of an intit to the anile may be resulted before the reference, but the north consistent of the part of the

Modified British System.

149. Aerial photography.—a. Personnel.—Aerial photography
for maps and for intelligence purposes is due by the photographic
section of the Boyal Air Force. The inhotographic section consists of

n trailer with two dark rooms. There is one section attached to each Army Co-operation soundron and the latter has an its totalli-

each Amy Co-operation squateron and the satter as an Air Intemperer Lusion Officer (AILO) who interprets photographs and in responsible for their dispatch to interested Army units.

b. Methods.—The northods used are smaller to U. S. practice. One

 Methods.—The northods used are similar to U. 8. practice. One interesting development is the Merton method of gradding oblique and photographs.
 Method multiple of widded ablique photography —The description of



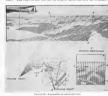
the Merton method that folioses is taless, with slight changes, form British Area Printing Mensurardem, No. 42 (1942), pages 63 fo. 45; (1). A series of overlapping oblique photographs is taken at a height of about 5,000 feet and on a line seeme distance betind this guessel line of floward efforded localities (PDLS). As yet occurrence photographs from this series cover a longe serie of the stane ground. A target ascenum on no photograph can, therefore, be identified in all tools are seen are no as photographs on, therefore, be identified in all tools.

one other of the series.

(2) A grid is reproduced on the photograph during the printing process. The vertical grid lines provide a means of finding bearings on poists amounting in the photograph. These lines represent the rays

MAPS AND CONVENTIONAL SHOW

of a large horsental degree fan placed over the landescess with the anex of the fan at the plumb point, that is, the next over which the aper of the min at the perms point, that is, the point over when the amounts was florie at the moment the photograph was taken (see fig. 1921. The rays of the fan are at decree intervals and are rembered

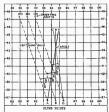


from 0 to 20. (For elasity, in the flaure only every third line has been chewn, and the horizontal lines on the photograph have been emitted.) The her icental grid lines, in conjunction with the vertical lines, form an approximately some of grad, which has, of course, no relation to the

Of The estillary officer is provided with the polition of the plumb point, in the form of coordinates or a trace, and the beauty of the 60 crid line (the left-hand ray of the fac described above) for each photograph. This because is given by the coordinates of a point (eximption point) on the left-hand say (See for 194.). This point is taken at a secon distance from the placeh point and need not either somes on the photograph or he a man feature. The healen has joining the plumb point to the orienting point therefore represents

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(4) The positions of the plumb points and orienting points a plotted on an artillery board. The plumb points are labeled with



the letters of the photographs which they represent (A, B, C, etc., fig. 124) and the orienting points AO, BO, CO, etc. It is not in posetice recounty to draw the herican lines AAO, BBO, etc., on the artillery board. A pilot-observer can then indicate the position of

(a) When only the milet is continued with phatemanks If he seen a target-ray the gas works at "y" in figure 123-he can describe it as having a reading of 27° on the vertical grid littles of photograph A. (See e. fig. 123.). This gives the smale to the right of the piotted 6° be plotted at this argie. The target must lie somewhere along this ray. The same point is identified by the pitch in a second overlapping photograph and a similar ray plotted (at 18718' from plumb point B). The mapet these lies at the intersection of these rays and may be co-

sound by ordinary artiflery mathods (A) When around necessared are also provided with abotemarks .- The tower many be indicated as a six-flavor reference from the structed unique may be moreover as a madigure reference from the squared wild of a single photograph. It can then be identified by the ground gold of a single photograph. At this tack so secularly by the ground in other photographs (B and C) and plotting rave from their numb nelety a princeting may be obtained. (See Se 124.) This method is preferred by the riles, since he can consentiate on location the separate to one photograph only. In marmed country, once the man position of the target has been found, the angle of sight is obtained by spotting the beights of bettery and target. In meanward or records manned country, heights may be determined from the horizontal grid knes. This, however, is done by Royal Artiflery survey and resimental survey officers, who have received special instruction. The reading of the photographs and the plotting of targets require no mocial knowledge. To locate targets, the officer require only the no special answerige. To seem surgest, the officer requires only the manhs themselves. The number of photographs distributed to ground groups seements. Increases of protograpus distributed to ground necessarily depends largerly upon the commitments of the abstractable section of the Army Co-operation securior. No additional coninmont is required at the our resistion, although the introduction of the mean to requires at the gain position, meaning are attroduction of the Tatloy for friendles to fore used by U. S. artillery officers but with measurements in yards and degrees) will greatly facilitate the pletting

Sucreon II

CONVENTIONAL SIG	INS AND	SYMBOLS	
ary mage and sketches			
chatchen			
Otton maps .			
Av Fores			
Retrice maps			

Regularives major. 100
Distinguishing fings and large. 100
Nivel maps. 100
Niv

blue represents the enemy. It is important to note that the U. S. passitic is exercily the apposite. See FM 21-30, paragraph 7.

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4. The following same and groubole on most on more and skytches

so well as on appointed abottom take

J. Proposted onto-tank ditch.... # Anti-tank ditch under construction ... A. Completed set-tank dilek. .

4 Aptictual, chich focuse both ways. E. Anto-took obstacle

7. Bord block

E. Areas street with rocks or beakless of Meson or greater

Tenton depolitions | prepored......

8 Bedge depolitions | charged. Creative 1

(d) Embrahments and cottings (ents).—Height of outlineskinsent in

(a) Mixer ! 1 Mine ...

Mine feld. (b) Water 160

f. Death of natorway in feet...

	MAPS AND CONVENTIONAL SIGNS	100
0.0	Wire entanglements. f. Almin	Leconomicano
	f. hargis (en posts)	поними
	J. Multiple (on peets).	CHICAGONIA
	4 Colled or Dannert	AND THE PROPERTY OF THE PERSONS ASSESSED.
(p)	S. Cherman de fette	56
	E. Average specing of these in feet	/05
(8)	Special solving ! (a) Ann-arreads. J. Section of grass 5. Machine con.	. O Nature of AA grass to be state-
	3 Searchtghi	. (a) 87°, 3°, or B (Bofore).
(8)	4 Vocasi plotting station.	No committee Controlle
	I. Projected anti-tunk grin emplacement.	_ □→ □→
	2. Artistick gas copinecoust under construction	
	3. Completed autotank you employment	— • — •
	4 Artiflery auto-task gran	•
	6. Canalry or infantry anti-tunk gran	∅
	¢. Anto-tank refe	
	Balteries and pen employments !- General.	Na catalo Correte
(4)	Brin pant: 1 Proposed Bren gan couplement	A+ D+
	6. There are a confinement profes excellent on	A→ E→

3 Completed Brun gen employments

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MAPS AND CONVENTIONAL MENS 100

(*)	1. Polyphone or telegraph office	OT EST
	g. Warrion-telegraph station	®≈T
	S. Hache-telephone storing	Фил
	4. Been station	⊕.
	6 Direction-fielding (DF) station	Өм
	d Visual signaling statues .	*
(a)	Truds. Special signification are used for drail demantions. When distances and interests are shown, they are in pactural and in yards for mounted draft.	
	I Regarded commander (in armoured force vehicle)	Ľ
	f. Squadron leader (m AFV)	
	8 Troop leader (in AFV)	
		C
	£. Carrier	2
	6 Squadron (ste.) Insder (dismounted)	
	7 Troop (etc.) loader (disupported)	6
	S. Crew communities (demonstret)	6
	P. Cron of leader's task (demonstrate)	
	10, Mon (transcented)	C
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100 HANDGOOK ON THE BESTSON ANDV

()	TemAn I. Projected	
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that (c) Theory and Acobesphere-Diller will be written abounds the prompted

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CHIPPERI		44		-	-	L LI		
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have insided) .

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	Corps	8q. €	Co. or Biry	- (-)	B Cox
	Drymon	Tro			
(B) A/	L Day (S)	AA Brig	(F) AA Rogs, Do	(9)	AA Bary, G
. Bound	lenes;				

C Draw	on 🖂 Tr or Plat	- 5 Pi
(B) AA Day	S AA Brig S AA Boys, Do.	(B) AA BRO, CO
5. Boundance:		
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Jater-skyroon		
later-bespide		

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Board (f) analoged to





The Addressments to the wind in all the rised on well on to the conditions, the numbers, to the tradic tools that



Brylgon state the reture—"stone," "time, "suspenses," etc. Ford or ferry; stattle nature of the tralfir that one are it.



busto, and, if possible, of the lietton, and whother it is day or floring and whether subject to floods. Width of watermay to feet; 30 w. Depth of waterway in feet; 3 d.



fere-hom (i.e. the part of the shore between high watermarks and low watermarks) and at what state of the title at m perotosible for landing. Quarran and prospicition ground are shown in the same manner so diffs.



If the magnetic variation is not known, show only the magnetic north and states "Varmines unknown"

181 HANDROOK ON THE REPTIES ARMY
Polds (with walk, pr. 1702)

Prids (with walk, price Prids hedger, force, ditches, or any ctotasis).

a a case of small by the object of shetch.

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Post office P Church or shapel with tower, ...
Thingraph office. T Church or shapel with some, ...
Spagnet. SP Church or shapel with some, ...
W Church or shapel without tower or spice.
Sparse. 5. Workship.

The nature of the wood shoot bo given "reak," "reak," "reak," "reak," "reak," "reak," "reak," "reak," "reak, and rever from air obs."

"Vector should also be reduced:
"Vector" or "Open."

ten slong it. The gauge of the railway must be waser t e d., as "broad," "standard," "marrow," or "treass or."

Other mate describes establish and more set constant and the set of the

b. The center of the sign is the pin-point of the detentition in maps prepared to illustrate coordinated demoistics releases. On maps and the contract of the product of the contract of the contract of the contract of the All others will be in black. On maps of original recommissionaries records, all since will be in rel.

163. Royal Air Force.—Special RAF conventional signs and available are illustrated below:

Sign and algorithm and an Yuriah RASI water of severe Manager Manager

30-410

TM 30-410	INDERON ON THE	DESTRUCT ABOUT	
Airdrome			
Androne with director			
Seaplane station (dotte			
Landing ground (perio			0
W/T (radic) station we	th mosts exceeding 2	60 feet in height	- 0
Air rangatus light			- 0
Penninent Madmirks	te ground ugon.		- 59 00
Problemed flying area			··· CD
Name of surdrosse land	ting ground or wapt	vae station	HEADON
Temporary landing gro and the outlant give-	send (The internal the neural chape or re-sale maps)	sign denotes the chara- tive ground. This cont	eter kne
Bomberg, day or night	squadron .		× ×
Patter			×
Naval ecoperation us	it.		X
Ase stores park			X
Airuraft depot			
Port detachment			_ ×
Wing headquarters			¥
Group heaviguartery			. *
Ambip			- 5-9
Balloon			. 8

NAME AND CONVENTIONAL SIGNS

154 Stanct couries many ... The following conventional signs and complete on word in sured discourse (f) Were so the except, in toropher, or on helps to the second to the sec (%) Barnel water (4) Poled wire (8) Field serites..... White description of the service of ---On Hadin to incluse talesment or miletelephone) (D) Was created without connective. On Venezuer reste (10) Monorage relay rend (II) Sured office (manuscr ecopys) On West majest of Emperator's most (4) Telephone carbange? (a) Barrier

(i) Mazerte.
(i) Buyerte telephone.
(ii) Mayacte telephone.

156. Distinguishing flags and lamps. —Figure 125 shows the various flags and lights which are used as distinguishing marks: If will be noted that a white flag is for druking water, blue for watering thoses for summiss, and sel for watering values.

pinces for sammals, and sed for weating or leathing pinces.

"The figure core the nervolinal was about the modes of ware in the ends. A margoritate is now there exists a colonial protein (recepts) of one are were

TM 30-410 R 30-110 HANDSOON ON THE BRITISH ARMY Administry on years, plants and electrics are shown below.

156 Warm! many ... The since and excelois used by the British

forces, naval, or crash.

Security as station (name underlined in red, blue, or black for or

fraction visitor (whose traderished in red, line, or black for our fraction, marrid, or sixel)	.9
Bengkine recoming seen (name undertheed to red, blan, or black for site). Anotheres and resplace station (neme undertheed a red, blan, or links,	0 0 6-6-6
Mooring meet for arrhape	c,
Honor for services	_
Arran beaug	
	*
Astrone with between	*
Overhead power transmission lite	····
Airway comiter.	***
Arrany obstruction over 200 first (16 maters) above pround . Of the health of the obstruction above ground involvement 500 fort, the maximum health of best above we feet in green them: 3.64 facts. 3.64 facts.	4
Line of more with depth is feet at low-water springs	_
Controlled line of some with cable to control station	_
Miss control station • Mr	ð s
Indistor log	-
Industry loop station	
Other seamand defences (type to be stated, e.g., booms, neis, etc.)	<u>.</u>
Discord fort	
Searchlight &	

mar on 410 136 30-1 accomplished father completes and discourse profess to the forming of the olimping only or our whom are of fire in another, ... shape of the fact to be about to black and red work Author. Section of the moutant calls in known Personnel position for mobile satisfiers, copp.) (reference) ... Yound yound statum. ... Port was ugual station ... Auto-arrenalt man or weston . AA battery Ho. Sound locator with AA vogethicht... Least of mine field. u NBDO# beach readem

TM 30-410 106 HANDROOK ON THE BRITISH ARMY	
Obstacles (description of obstacle to be written above the symbol	4) ROUR
Anchorage as classified in "Ports and Anchorage" .	TTTT
Navad base	*
Defruded part (size of largest gaz to be stated)	€12, € 6,
Defended port (defences uncertain)	•?
Steam-hip route	
Brigish subquielso esblos	
Foreign submarane oables (nationality indicated in the circle).	-0
Bailway, double-track	
Hailway, magle-track	
Hade sy, under construction	*******
Builtany, proported	
Talagraph or telephone (underground line)	***************************************
Talagraph or telephone (overload line)	
Power station.	
Gaz works	
Hospital	· · · · Œ
Coal depot	
Coal breakering facilities	- 80
Coal mane	
Onl wells	A-w
Fuel-ell bunkering facilities	- A.
Out refinery	
Off teals	. 47
Cabbs Intelling place	· · a Gabba Landing
Lifting applicates	ф

W/T (melio) statuto. Hazho broaden-treg station.

EM 30-

MANAGER W/T (mile) states.....

Meene laht ... naval or svell

Kitz In-Boop

Count postships need

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One-was traffe for motor transport (MT) (as read praction). . . Terrong point for MY......

Chantes 9

MISCRITANDOUS

Scorros I. Charleston of december. III. Cost rate

CT ASSETSICATION OF DOCTOONING

Companyon of Broomh and U. S. security esteromes.

elasefying documents and military information.

(t) "Most secret."

(4) "Confidential" (or "Private and confidential").

(5) "Not to be published."

 Not to be promised.
 The "Most secret" entegory is normally restricted to the following enhance (1) Was plans and future operations when in the planning state

(2) Comprehensive statements recording rates of production of (3) Political papers dealing with negotiations for allitness and the

(6) Intelligence obtained by "Most secret" means.

(5) Technical accests connected with new weapons of armfule. (6) Other matters, such as code words eighers, etc., which War Establishments mescribe as which originators may conside should be

a. The "Secret" entegory is normally restricted to the following mbiecte (1) Overstoons in their executive status.

(2) Cipheus, etc., and technical secrets which do not warrant the "Most special" enterper-(3) These movements for operational purposes or dispatch overseas.

loration less, and orders of battle, d. Both the "Most secret" and the "Secret" enterprise secure transmission in two envelopes, the outer one plain and the inner one was easiled and labeled with the address and classification. The anic custody of documents in these enterprise is the responsibility of an effect; whenever possible, he area that they are below in a safe, the combination of whole is known only to him and a few deter-discess.

the combination of which is known only to him and a few other officers.

e. "Security" is necessally used for documents which by reason of
their very while circulation cannot be kept secret.

for "Confidential" elassification is used to connection with any matters dealing with the character of an undividual, or a matter of policy which should not become generally known. For example, the proceedings of a count-martial are confidential until the finding is

groundigated.
g. Decements in the "Security" and "Confidential" categories

should be kept under lock and key, but me not necessarily the responsibility of an effect.

A "Private and confidential" imposes the additional safeguard of

a. "Private and combination imposs to annihilate supposition to requiring the addresses to open if personally and places upon him the responsibility for the safe custody of the document while it is in his possession.

i. "Not to be published" is normally used for such publications as

1. "New to be planness in newtrency seen to see plannesses to training memorated, military training pampilets, and other decements of a military nature, the contents of which should not be divulged to people outside the argued forces. Decemman marked "Not to be published" must not be taken into the front line.
• "We see housed" smoot not be delicared to be effected by a trusted

intercopy.

1818. Brasking or degrading (cancellation or change of classifloation).—Officials qualified to relacidy material as "Meet rever" are
also qualified to brack or degrade (cancel or change) the chanketine
(Certain state differe are permitted to some in a lower chandication
centred from determinate as a higher chandication, provided that the
catassts are still properly subgraded.—All papers are object to concatassts are still properly subgraded.—All papers are object to con-

extracts no sour property sacquerded. All papers are subject to continual review to that they same be broken or signated when clapsed time has removed the need for their original classification. 188. Comparison of British and U. S. security entegories.— The following is no officed comparison of British and U. S. security.

legocies, Beshah United Shine
"Most secret" "Secret" "Confidential"
"Secret" "Confidential"

"Confidential" "Restricted"
"Not to be published"

K 30-410

Suomour II

CONVERSION TABLES

standard unit of mercy in the United Naugieron, new schemiques we show the 0.0 in U.S. out new, T. lie table of equivariant given below, however, in turned on consporting purchase power rather than on uncertaintion extending rates. Prices are merally written in pounds, skilling, and pence, abbreviated S_i , s_i and d. Thus the piece of an attack might read $S_{ij}(t)$, increasing 2 paintle, 1 shifting, and 0 pence. Bottak.

Corpes Corne	
Farthusz (rare) (%d) ("farthin")	% cent
Halfpenny (b)d.) ("hayp'ny").	1 cent
Penny (1d.).	2 cents
Threepence (rate) (3d.) ("thrup'nce ' or "thrup'ny	

Florin—2 shillings (2s., 2/-) (two-bob pices) 50 conts Half cross — 2 shillings and 6 pence (2s. 6d., 2(s) (two and nx or balf a crock) 62 conts Cross (1se.)—5 shillows (2s. 5b.) 81 10

ran Crantister

10-shelling note (10s., 10/-) (10 bob) . 82.50

Pound note—20 shellings (£1) (a quid) . 55.00

b. Other recurring terrax.—(1) The Boitab also refer to coins no longer in existence, seeks as guiners, which is equal to 1 pound, 1 sidding. Thus, where an article self-feet or guines, the prevature is exspected to pay 1 pound, 1 shifting. Experience at expected to pay 1 pound, 1 shifting. Experience at each case of the intervention of the production process, previous storate, etc., as usually parted in generac. (2) Articles which commandly self-feet a science in the United Section of the self-self-feet of the process of

United States

C'I wrigh 175 pounds ")

1 courter (23 pounds).

About 6 authors

161 Weights and measures -- Differences to be noted -- The following differences between British and I. S. weights and measures

1 maperial quart... 1 imperial cellon 1 004 million (comble 8 5 impoint college . 1.03 pecks. Limpound peck . 1 imperted brekel I stone (14 nounds) C'I weech 12 stour

1 quarter (25 pounds)... 1 hundredscrath (owt), long (112 pounds).

1 hemdredweatht (cwt). 1 ton, long (20 long cwt., or 2,240 pounds). 1 ton, short (20 short cwt. or 2,000 nameles

1 statute mile. 1 rade. t milliand or thousand millions (1.000.000.000).

t hillion (1 000 000 000 000 000) . 1 trillian. 1 thousand billions (1.000.000.000.000) 1 quadrillion. 1 trillion (1 organos openos aco peo peo) 1 controllion

or the unit of force recovered to more 33,000 normals 1 foot in 1 sciente

270 Otton the British auto their volidies, by the subitrary Sections of Automotive Ragmeers (SAE) formula However, it is impossible to establish a conversion factor for SAR horsepower, since the SAE formula has no mathematical or even empered relationship to other tables of eccurulents, 1 "Butish" horsepower is given as equal to 3 "U. S." horsepower, but such a ratio is incorrect. For evaruple, the GM 270 stering has banks horseyower of \$6 and SAE horsepower of

composition tally 34.5, but the Willyn Katon engine has beake horsepower of 63 and SAE begarnower of 15.7. (3) The brake horsepower formula, which is normally used in the United States, is the simplest and most common method of computing horsepower. The results obtained by this method approximate those

TOM: 90 410 MANAGEMENT ON THE RESTREE ARMS

obtained by all other methods except the SAE formula. Brake kornenower is commuted by the formula BUIL 2+ON

w beans 5.1416, O erced in revolutions per minute.

(4) SAE homogeneous as commuted for the formula SAE HP - A DEV Di being the acouse of the cylinder hore in inches and N being the

e. Gasoline, col. and water,-(1) Fermilies-For converting petrol (ensoline) and cell to long tons, use the following formulas:

Pottol gallons -- long tons. 9/0

(b) Oil gallons = logg tone (9) Weight of noted and oil:

(a) One Sending can of netral weighs 19% nounds

(b) One 4 on the of natural weight 251; nounds (c) One 5-collen dram of behavening oil weight 54 nounds

(2) Weight of water in petrol case and cel drums (a) One 9 willow metrol one of motor moleke 993' namedo

(i) One 2-gainst petrol can of water weight 20% parameter.

(a) One Smaller oil draw of water weight (i) nounds d. General reference table for converting weights and measures

Node.

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	Killerate	Hotopunt	1 100 1	241.15

Secretary TIT

CIVIL TITLES The Wine and the Board French

Other teller 162. The King and the Royal Family.—The King's hitle is King of Great Britain and Northern Ireland and of the British Dominions

beyond the Seas. Emperor of India. The Kine's some and descriptors.

162-164 HANDSOOK ON THE BESTERN ARMY

and grancemorus is no secures this descriptions, as help in process. The King and Quern are addressed as Veryor Aspects

180. The Peerings—of The House of Local control of the British Perinaises, but are called to the Local control of the British Perinaises, but are called to the House of Local and not decided.

and not decided. The House of Local Control of the Prints of Local Control of the Prints of th

(including wives) are as follows:
(i) Duke—duchess.
(ii) Manusco (programon) as written)—warehinger.

(2) Marquess (pronounced as written)—marchioness (3) Enri—counters. (4) Viscount (pronounced "vi-count")—viscounters.

(4) Viscount (pronounced "vi-count")—viscountess.
 (5) Baron—baroness.
 La formal conversation a duke, as well as the Archbishop of

Contectiony and the Architektup of Yesh, is addressed in "Your Chyenecept by members of the article force, is addressed in "You for Greecept by members of the article force, is addressed in "His Orner."

A management of the article of the Architecture of the Archite

 c. Children of peers are commoners but are accorded courtesy titles as follows:
 (1) The eldest son of a peer who is an earl or above is known by a

(1) The eldest sea of a poer who is an earl or above is known by a second and lower title of his father. For example, the chiest sea of a marquest is ordinarily "The Earl of" and the eldest son of an earl generally "Viscount"

son of an earl generally "Viscount".

(2) Younger sons of a dute or morquess are called "Lord," plus the Christian and family name.

(3) Daughters of a duke, morgons, or earl are called "Lady,"

(3) Daughters of a duke, marquess, or earl are camed "Long," plus the Christian and family name
(4) Younzer some of earls, and all children of viscounts or berons,

(4) Younger sons of earls, and all children of viscounts or barons, have the countery prefix "Honourable" However, this is used only

in writing or reference.

164. Other titles.—a Arong the titles which do not belong to the perage are beauset the redditry), knight, and Right Remorable. Wives of hermosts and knights are entitled to rus the prefet "Lady but the bushoods has more. Raght Bosonvalke (Rt Hen.) is used by seembers of His Magnett's Privy Council, but not by their wives. b. In the Army, titles of nodebly are not used orditive. The form

MINUTAANNOUS

of oral address is also us the military rank followed by the individuals must name. In writing, hewever, the correct form of address in "Major, the Duke of "" or "Cuptam, Lord".

"The title" "squire," formally used by courtesy to designet the closest see of a hight, in own ecomondy used in addressing letters to

c. In this "sequency "serious" uses ny curvacy to despite to a disease on a faught, is more commonly used in addressing letters to professional and husiness men (in actual practice, to all men not holding an official title); for example, John Don, Roq. d. The prefix "Muster" is used (i) in introducing any man not

holding an official title, and (2) in subtressing a letter to a man and his write when neither holds an official title; for example, Mr. and Mrs. John Dec.

ABBREVIATIONS

Soutquarters, formations, staff, appenitments, and services	165 166
regiments and corps of Bugelar Anny Titles of units other than envelyy and infractry	167 168
treomaniarazon code	
Involuneus	. 170

163. Hendquartien, formations, said, appointments, and services.—These ablevatiens are for general on and for addressing messages or excreptualisate is, but many of them are used only special or technical souries or unit. Abbreviations for the titles of safet are not used when code names are employed. Names and individual designations of differe do not special in message units a lay as in tended for distingt on individuals. Deslignation when the special in tenders there are the first of the special process.

a. Headquarters and formations.

First (Frecord, etc.) Army Nunsky,

General Headquarters	GHQ	
First (Second, etc.) Army.	Figst (Second, etc.) Arms	
Let Oled etc.) Corps	1 (2, etc.) Curps	
1st Amoured Dicroon,	1 Armd Day	
Let (2nd, etc.) Division.	1 CL etc.) Div	
Lt Light (Heavy) Armoured Brunds.	1 Lt (H ₂) Armed Belo	
lat (2nd, etc.) Cavalry Brogade.	1 (2, etc.) Cay Bde	
lot (2nd etc.) Infantry Branch.	1 (2, etc.) Inf Bds	
Bapal Represent of Artiblery (RA):		BAT
1st (2nd, etc.) Curps AstuBury.	BA 1 (E, etc.) Corps	RA
Let (2nd-etc.) Corps Medium Astillery.	MA 1 (2, etc.) Corps	MA
1st (Bud. cir.) Decisional Artiflery	BA 1 (2, etc.) Dov.	BA
let (2nd, etc.) Field (Medium etc.) Bearment.	1 (9, etc.) Fú (Med, etc.) Regi	
Curps of Regal Bispinson (RB):		RE
147 (2nd, etc.) Divisional Engineers.	BE I G, etc.) Dor	BE
Royal Corps of Steparts (R Sup.)		Fegs
General Hendermeters Signals	Bur GRO	Fare

Figs. (See course, only Acting Sequence, only Figs. (See Co. 1). The Control of Sec. (See Co. 1). T

4 N N N N N N

ABBREVIATIO	100%	165
Anti-Aircraft Defeace (AADs)	Althorishm	Sortequisting loans
list (Red. etc.) Anti-Ascendt Brigada Regal Army Service Corps (RASC)	I (Z, sic.) AA Bds	
let (2nd, etc.) Divisional Boyal Army Service Corps.	BASC I (2, etc.)	Div ST
Regal Air Force (EAF): Royal Air Force Component with the Army in the Field.	Air GBQ	
b. Stuff.		
General Staff Breach (G or GS) 5 Operations Section Littligence Section and Littligence Officers.		0
Staff Dates and Training Section Branch Majors		SD O
Bignel Officer as Charf, Charf Bignel Offi-		λ
Adjutuat-General's Beasek (A) * Officer in Change 2nd Eulebin.	028	A ECH
Staff Captarn		A
Quarter-Marier-General's Branch (Q) 1 Staff Captern Movement Control.		q q qM
c. Appointments.		
Arte-de-Comp. Onep Commandust. Military Secretary. Personal Assatzat.	ADC Camp M8 PA	ADC CP M8
d Services*		
Army Postal (Q) Crathern (Q) Chaphian (A) Engineer Hones (G).	Poetal Canterns Claudano Restago	P CAN CH E8
Graver (A). Herago (A). Judge Advenue-Genoral (A)	Graves Harrings DJAG	MGB JAG

The overed had by appendix for operators, includency, tracing and accordinates is provided from the other board in the control of the control

The locar in parentheses to few tog each nervor make

Moderal (X) December (V) Professional Moderal (X) Memoral Memo

Printing and Redometr (A). Print Provent (A). Print Provent (A). Print Provent (A). Print Printing (B). Biomercals (B). Biomercals (B). Biomercals (B). Biomercals (B). Biomercals (B). Transport (B). Transport (B). Transport (B). Transport (B). Transport (B). Darks (B). Biomercals (B). Darks (B).

Ballways Rail
Vetermany (Q): Vet
Works (Q): Works

199. Commanders and staffs."

This This Chief of the Imperial General Staff at the War CHOS

Commander, Royal Engineers. CRR

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I will be observed that the table "GO," " His hand "CO and got to the branch of the rand,

Chal Sim / formedu

(D) AA & OMG for AAQMG or

Chief Signal Officer.... CSO Commander, Royal Army Service Corns Named Staff Officer Descriped Sea Transport Officer 41- Officer Commanding 100 Chief of the General Staff in the Field Charles Charl of the General Staff Brigadier General Staff General Staff Officer Brunda Maior Denniy Admitant-Gennal DAG (Demote) Amintant Adjutant Course) Staff Captam Dinuty Quarter-Master-General DOMG (Director) Associant Opertor-Master-General (Danda) Amelant Director of Transport

Second Officer in Chief

167. Regiments and corps of Barular Army !- The regiments and earns of the Recular Arrow are listed in order of presidence, as

a. Household caralry."

b. Mechanized earning of the line .- The 20 cas also regiments of the line have been merged with the Royal Tsuk Corps to from the Royal Armouned Corne (RAC), which unrhules the Revol Tuni Recoment.

OR Word of B * Yoursery correlate and intrody toward series, many of which are extraded to regular ra-

1. The Royal Shorp Artifact (SEE4) was madestood to both as not only in the Royal State of St

167 HANDBOOK ON THE BESTISH AR	MY
	Abbress
1st King's Dragoon Goards	KDG
The Opeca's Boys (2nd Dregoon Guarda)	Bays
3rd Carabiniers (Prince of Wales's Dragoon Guards).	3 DG
	4/7 DC
5th Royal Innishilling Drugoon Guards	5 Innis
	Royals
The Royal Scots Greys (2nd Dragoom)	Greys
3rd The King's Own Hussers	3 H
4th Queen's Own Hussam	4 H
7th Queen's Own Hussars	7 H
8th King's Royal Irish Hussars	8 H
9th Queen's Royal Lancers	9 L
16th Royal Hustars (Prince of Wales's Own)	10 H
11th Hussers (Prince Albert's Own)	11 H
12th Royal Lancers (Prince of Wales's)	12 L
13th/18th Hussars	
14th/20th Hussars.	14/20
15th/19th The King's Royal Hussars	15/19
16th/5th Lancers	16/5 L
17th/21st Lancers	17/21
Royal Teak Regiment	
Royal Regiment of Artillery 14	RA
Corps of Boyal Engineers	
Royal Corps of Signale. f. Howarhold infantry (The Brigade of Guards)	

ng

Grenadier Guards (The First or Gumadier Regi- Gren Gds ment of Foot Guards).

Coldstream Guards (The Coldstream Regiment Colds Gds Scots Gueris (The Scots Regiment of Foot SG

It Two ordinal numbers represed by a discussi strate for 40.000 decrea two original augments non

Irish Grands (The Itish Resistant of Face W) Correla)

Welsh Guzzin (The Welsh Regiment of Foot, WG Guarda). a. Infantry of the line - The 64 Foot Regiments that make up the infantry of the fine are numbered from (1) to (61) becoming with The Royal Scota: the last to be formed. The Bifts Briends has no number The resolvers are the old numbers by which the resiments were formerly known. Each regiment received a number as it was formed.

the number indicating the age and seniority of the regiment (in many cases actually a regiment of one battalson). These numbers no longer have nor significance except from a historical and sentimental point of view. The missing numbers refer to dishauded organizations (for example, No. 18 was that of The Royal Iren Revincet, which certed to exist in 1922) or to junior battalions of existing regiments (for example, No. 52 is the 2nd Buttalion of the 48rd Regiment, all hottolions of which are known as The Onfordshire and Buckinchamshire Light, Infantry)

The Borel Sents (The Royal Regiment) (1) RS The Ouern's Royal Recomment (West Survey) (9) Ouern's The Roffs (Royal East Kent Revincent) (2) Buffs

The Kino's Own Royal Regiment (Lancaster) (4) Kino's Own The Royal Northumberland Fuoliscs (5) NF The Royal Warwickshop Resignant (6) The Royal Foulkers (City of London Research) DV The King's Regiment (Liverpool) (8).....

The Royal Norfolk Regiment (9) The Lincolnshue Regiment (10) The Devombire Regiment (11)..... The Suffolk Regiment (12)

The Somerset Light Infastry (Prace Albert's) Som Li The West Yorkshire Regiment (The Prince of W Yorks Wales's Own) (14)

The East Yorkshire Regiment (The Duke of E Yorks York's Own) (14) The Belfordshire and Hertfordshire Regment Bedfs Herts (16)

The Leicestershire Regiment (17) ... The Green Howards (Alexandra, Process of Green Howards Wales's Own Yorkshire Regiment) (19).

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	Abbrenstan
	LF
	RSF
	Cheshine
	RWF
The South Wales Borderors (24)	SWB
The King's Own Scottish Borderers (25)	KOSB
The Cameronians (Scottish Bifles) (26)	Стакесоц
The Royal Inniskilling Fusitiers (27)	Innists
The Gloucestershire Regiment (28)	Glouters
The Worcester shire Regiment (29)	Wore R
	E Lan R
The East Surrey Regment (31)	Surreys
The Duke of Comwoli's Light Infinitey (32)	DCLI
The Duke of Wellington's Regiment (West Rad- ing) (33).	DWB
The Bonics Regiment (34)	Border
The Royal Sussex Regiment (35)	R Sussex
The Hampebire Regiment (37)	Hemps
The South Staffordshire Regiment (38)	S Stafford
The Decsetshire Regiment (39)	Donet
The South Lancashne Regiment (The Prince of Walter's Voluntoris) (40)	PWV
Waler's Voluntoris (40) The Welch Regiment (41)	Welch
The Black Watch (Royal Highland Regiment)	Black Wa
The Black Watch (Royal rightism Regiment) (42).	

The Black Watch (Royal Highland Regimens) Black Wate (42).

The Oxfordshire and Buckinghumshare Light Oxf Bucks Infantry (43).

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Exec.

The Eners Regiment (44).

The Sharcond Experters (Notificphanadire and Foreston Darlyndric Regiment) (45).

The Loyal Regiment (North Lancaskie) (47).

The Northamptondure Regiment (68).

Northamptondure Darlyndric Regiment (58).

Northamptondure Regiment (58).

Republishatin Regiment (78).

Republishatin Regiment (78).

Republishatin Regiment (78).

(50).
The King's Own Yorkshire Light Infantry (51) KOYLI

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To be corrient under the Naved Changing Aut 0 or when based from RM days or from several midmitted start, they will been past of the seasal management and take provinces becomestantly start for the Navy. When serving under the Amery Act 1: r, when a Earth Microse such in Remote d Own is the Material School or been a Ropal Models between the Section 1 and 1

The Kine's Shropshitz Light Infantry (53) The Middlesoy Respects (Duke of Cambridge's Own\ (57)

The King's Royal Bille Corps (60).... The Welthire Response (Duke of Edinburgh's)

The North Stafferdalma Resument (The Prince)

The Highland Light Infancy (City of Glasgow HLI Besiment's (21) The Senforth Highlanders (Rosselvire Buff), the The Gordon Hirblanders (75)... The Queen's Quin Cumeron Hubblanders (70)

The Royal Ulster Rifles (83).... The Royal Trick Parifford (Princers Venture)

The Arryll and Sutherland Huddondon (Princess The Rifle Bizznde (Prizon Consent's Owh) (No h. Other corns

Reconnsusance Corps..... Recor Corps Royal Army Service Corps.... RASC Rovai Army Medical Corps..... RAMC Roral Army Ordinance Corps. . . . RAOC Royal Electrical and Mechanical Engineers - REME Royal Army Pay Corps. Royal Army Vetermary Corps Army Educational Corps. . .

Intellizence Corpu.

Duke of Albany's) (72)

The Army Dental Cope.

Army Cutering Corps

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The York and Languager Resyment (65) The Durham Light Infontor (68)

AWAI

... AD Corps

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167-168	HANDBOOK ON THE	DECITION V	
Corps of Mile Military Prov	d Training Corps sary Police out Staff Corps		Alternation APTC CMP MPSC
Queen Alexas Service. Auxiliary Ter	adra's Imperiol Military ritorial Service sing Corps.		QAIMNS ATS OTC
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AE Bottery, RA.

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AE Bottery, Royal House Artillery.

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AE Bottery, ROyal House Artillery.

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4 E Bottery, ROyal Royal

Tarl Anti-Agreenft Bastery, RA. 3 AA Buy Bastary, RA. 3 AA Buy Bastary, RA. 3 AA Buy Bastary, RA. 4 AT Buy AC Bastery, Royal Hose Arrillery. A Buy RIIA 4 Display Bastery, RA. 4 A Buy 4 Buy Bastery, RA. 4 A Buy 4 Buy Bastery, RA. 4 A Buy 4 Display Bastery, RA. 4 Buy 4 Display Bastery, RA. 2 Su. Buy 4 Display Bastery, RA. 2 Su. Buy 5 Composition Bastery, RA. 1 Sey Buy 6 Corps of Recol Engineer (IEE) 1005. According to Bustery, RA. 1 Sey Buy 1 S

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16th Amy Faled Company. 10 A. Fil Coy
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16th Gillagen's Army Treege Company. 10 A. Tipe Coy
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1. (2, vio.) Field A triflery Signal.

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1. (7, vio.) Field A triflery Signal.

1. (8, vio.) Signal Signal.

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1. (8, vio.) Signal A triflery Signal.

1. (8, vio.) Signal A triflery Signal.

No. 1 (No. 2, oie.) Squadron, Armoured 1 (2, etc.) Squ. Armd Di-Divisional Signols. Sign e. Royel Army Service Curps (RASC). Arti-Aurenti Group Compony. ... AA Gp Coy

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Associated Brigade Company Astronomed Deviation Assessmention Park Associated Davisson Potent Pank Associated Division Reserve Sensely Prob Armoured Division Troops Company Bridge Company..... Complete Post Corn Petrol Perk Corns Troops Ammonition Company Corne Troops Supply Column Divisional Ammonituse Sub-Park

Corns Troops Ammunition Sub-Park GHO Troope Company Infantey Brigade Company Line of Communication Motor Transport Committy.

Motor Ambulance Convoy Reserve MT Commony Took Brigade Company f. Basel Army Medical Corns (RAMC) Cresulty Clearing Station

Cavalry Field Ambulance Field Ambulance Field Hysiene Section General Hospital Light Field Ambulance.....

Light Field Hygiene Section.... a. Royal Army Ordnance Corp. (RAOC). Ants-Aircraft Brigade Workshop Armoured Brigade Ordnance Company GHQ Troops Workshop Infantsy Brigade Ordnance Company Light Aid Detachment ... Otchange Field Park Recovery Section

Tank Brigade Ordneace Company ... A. Rosal Army Veteringry Coran (RAUC). Mobile Veterinary Section 1 (2, etc.) Mob Vet See Valuetones Programmy Station

Armel Day Amer Pk Armd Day Pet Pk Avend Div Ros Son Pk Armal Div Tro-Cox Corps Pet Pk

CT Amn Sub Ph CT Sun Col Div Arm Sub Ple GHO Tox Cov. Inf Bde Cos Lof C MT Cov

Res MT Cov. 1 (2, etc.) Ed Amb 1 (2, etc.) Ed Hyr Sen

1 (9 etc.) Lt Ed Hey Sea AA Bdc Wleshop Arned Bde Onl Cov. A Fd Wkshop

GHO Tos Wieshop Inf Bde Ord Cov. LAD Tank Blde Ord Cor.

1 (2, etc.) VES

i. Corps of Military Police (CMP), Abbrevat

TW 20 410

beevastee likely to be required. Resource to the line of plan language will be inevitable for certain types of observation. The most usual requirements are, however, covered by the following:

most usual requirements are, however, covered by the following:

AAG Anti-interactig game.

ACT Activity at (used only to devote hapknessed movement in a small area).

ALA All arms (used in conjunction with COL)

AMC Amounted cars.

ALA All arms (used is conspiration with COL)
AMC Armoured ears.
AKT All artillery, no bin action
BDG Birdge.
BIY Breeze distinct from MPT.

BIV Breauc.
BUS "Bus" (se distinct frem MET),
CAV Mounted men.
CLM Cantel lirid message
CLO Chosed

CLO Closed
CNO Cannot observe. - previously located at....(e. g.,
CNO GNS 356860).

CNO GNS 35(460).
COL Column
DFP Defended post.

DFF Detended post.
DIG Digging.
ENG Engine.
ECG Facing.

FCG Facing.

GCB Concentration of hostile batteries in nation.

GNF Gans now firing GNS Gans in action, but not faring.

HDT Horse-drawn transport HOR Horses, INF Men.

NMB No movement seen.
OPN Open.
RFA,
RFB,
RFB,

RFC, etc.
RHP Reaging point.

Steam not up (All railway observations will be taken to refer to express with steam up unkers

Tunel of vehicles

Tank

Goods trucks (i.e., freight care). Railway tram (complete with engine),

Preservore courbes.

170 Miscellaneous - The following list of objerviations, which is arranged alphabetically according to the ablorviations, has been

consided from both official and woofficial sources. It processes abbreviation for designation or used majors for the Army and the Royal An Force, though some as used harry by the Royal Navy baye been

Asti-Arrentt Transper Eaor Adminut or Arms Arms Book Arcrestant Brazels Officer

Arms Borres of Cornect

ton (annuals) or arserve of Officers

Armonged our or Army Co-Auto-arresults both mostlerer

AAA DMG Assutant Adjusted and AAOMO cue also AOI

VCB

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perval General Staff. Authorizent for sin &A and Elekt

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AD

ADG

ADG To

Staff. Armored conceased ve-

Art Defence or Arrasprotuses Direct or Assestant-Darestor (m. combination)

ATA(A) Admity Assortant-Director of Ac-AD of 80h Assistant Diseases of Ac-

ATLACE Assistant-Director of Ac. ADOS counts (Proper) Dental Corns (see else

tracts (Clathone) The Army Dresal Corps ADRDS

tracts (Forth. Assistant-Danster of Con-Assistant Director of Con-

ADC(6)

of Transportation.

Gamerel Defense

ADEM

Advanced Director Street

Advance sward

- Acoutops Director of Recoad Corted

- Assistant-Disorter of Ond-
- seal Services. Adversity
- Arrietzat-Director of Mdi-Motorphysical Office

- tellimne.

- ADECMars) Assistant-Director of In-
- Adv or Ader Adjustment

ADMC

....

ARRESTATIONS

ADW(M&	Assistant - Director of Works (Mechanical and		Air Ministry Expensessis Station.
	Electricali	AMLO	Accutant Military Lands
ADWAAF	Assistant-Director of the Women's Asiatlary Ast		Officer. Amount from
	Force Control Assessed Assessed	Atto	
AEC	Army Educational Curps	AMNL	Amenoral (balk explorers)
	or Associated Equip-	AMNL CH	Arranged with rassessi:
AEO	Assistant Emberkaisee	AMP	Air Member for Personne

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AEO Arribant Exharkaton AMP Arribanty order.
Arribant Exharkaton AMP Arribanty Order.
Arribant Arribant Amerikan AMP Arribanty Millery Vincor Corp. (see P. Corp.)
Arribant Arribant Amerikan Amerikan Millery Vincor Amerikan Amerikan Millery Millery Notes Amerikan Millery Millery

A PG Art Vector Media.

A Picalizer for Training AMTH Asia-nitive to expect the first many AMTH Asia-nitive to expect the first many Amtheward AMTH Asia-nitive to expect the first manipulation for the first man

FR Agasthery Fire Service,
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AGPO Office Amy Position Color Amy Ordinare Depot. AMD Amy Ordinare Depot. AMD Amy Ordinare Depot. AMD Amy Ordinare Depot. Amy Ordinare Passette Depot. Amy Ordinare Passette Depot. Amy Ordinare Passet Pot. Amy Ordinare Passet Prot. Amy Ordinare Passet P

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ALC Associa harding seath,
ALC Associa harding seath,
ALC Associa harding seath,
ALC Associa harding seath,
ALC Associa harding presend
ALM Associata harding and PD
Manitania
ALD Arr Lessons Officer,
APPU Arr Personage Depositioners,
appear Unit.

Albrei Medal or Air Ministry or Air Mambal or APM Acoustryl-Prevest-Marchal morning APP Aronco-percong properties Appa Appealasse.

OP Air Member for Develop- APP Army Pytering Room

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ow 30-410 100

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eral free also AA & AW OMO

AOMO ARG Ammunction Rathead.

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tion. Balloon Branch Officer Bernde Amparentus Cat.

7000

Branch Forld Post Office Brook Intelligence Officer

er Brunde Intelligence

ABBREVIATIONS

SMBA	Brunde Major, Royal Artil-	Cita	Cavalry.
	lors .	Cay Arnel	Cavalry Amsormed Car
Dis	Battalion	C Regi	Regenent (Squudror).
Budy	Boundary	(Biqu)	
BOD	Base Ordannos Depot	Cav Fd	Cavalry Field Ambalance.
BO2º	Battery Observation Post.	Amb	
1106	Pattery Operations Room,	CB	Counter-bombardment or
BOW	Base Ordnance Workshop.		equater-battery or con-
BOWO	Brigade Ordeance Warract		fraggest to barmels or

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150

British Perchasing Comof the Both minion. Battary Observation

Pastery Quarter-Master Commander of the Order of Serverset. HED A Brigadier, Royal Artificry Counter-battery Officer's Deinacties.

Comp Commandant or Bergradian Start Arms CC Culorel Commandant. Base Souply Depot (Har-

Force Officers (BAFO) Congresseder, Corps Me-Battery Semount-Major. Acre trilliane inspect. Concentrator Corps Boyal

hatdless or Colonel Corne resident, Royal Artif-British thornal aret(s) Lore Battery.

Coart Defence Battery Ob-CDBOP Coast Defense Chair Sta-

surplunes).

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Charles or Chair Olive CMD radio direction finder CO (BDS)), or Munder of COD Chain (Blotzer), birt scoto

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Committee CIL the Order of the Indust Coord

Chief Inspector of Eo- COS DEFY. Chief of the Inversal Con-

War Office). CEPAD Charl Investor of Passers

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Alex Colto Columb

Conda). Clord Ordonne Officer

Controller of Ordronce eral Staff).

St. Michael and St Chorf Marytenares Officer.

Cheef of Artifices Colonel or minero (nor

Post or country-personespò (protectife)

Controller of Properties

Congrand Post Officer

ARRESTATIONS

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DADT

DAFL

0.0960	Camp Quartering Staff Capitalia.	dwe
CBA	Commander, Boyal Archivery	DAC
CHE	Commander, Barri Eng-	
	neces.	DACO
CRASC	Commander, Royal Army	
	Service Corps	DAD
CRO	Corps routine order,	
CRS	Curps Bert Stataco.	
CHT	Cathode my tube:	DADG
C8	Crumer Suzardren.	
CHE	Companion of the Order of the Star of Jodia	DADG To
CBAA	Cucinolity of Small Arms	
	Ammunities	DADE
C8M	Conspicer Bergesen-Mason	
CRO	Chief Signal Officer.	DADMS

Charl Suprember Ser Custod Statutural Dest corns tenore (see C. Tro).

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CST

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cral or Dyrenceal Auguste General

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(in contention) or De-Deputy Assistant-Dispeter of Hyperse

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HANDBOOK ON THE BRITISH ARMY Director of Assessment De I DIDECTO Density Director General of Director of Armamont Pro- DDG of M Density Director General of

Director of the Austines. DEGNO Territorial Service.

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tun Finance Turk Deturn.

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rhea Dengry Director of Ameriore Project and Mani-

Density Director of Post-Deputy Director of Acr Tectro. Donate: Diseases of Statusia

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DD Plans Departy Director of Plans DFM DD Plane Depoty Director of Plane DF One (0+1 (Operatorial). DDF8

Decety Dureter of Public DFT Decays Director of Per- DFW Deputy Director (Quarters DGAE

DDDA Anifery. Decemy Director of Renar DOAP Decesty Director of Staff DGAR.

Deputy Director of Staff Popula Daties (Wespens). Deputy Director of Service ing and Malatenance. plits and Transport.

DIDTIAN Deputy Director of Flying DG Merk Tourse rotal Trussing (Schoold)

Deputy Devotor of Veleofer partition of

Degraty Director of Wenn-Dencey Director of War Seathers or Division of

Model

Director of Flora Trans-White.

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Director of Ground De-Director-General of Eculoment (and Stores).

Thronton-Opposed of Opposed-Director-General of Only Director-General of Frontgr4.500004.

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Production Direction General of Works fore and Education. DOWE

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Toronton of Military Co. ecember.

Director of Military Intel-Mantenance.

fames. Director of Opinanes

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Tree .

Director of Mofficial Serv-Denotor of Military Train.

Director of Operations /No.

Director of Contracts (Au-

Director of Equipment or ofer DED Director of Intellipence.

Drift arrier

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Regiment (West Bithug).

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ARROWSTATIONS

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F21 24) Automorals (gar) (from the Gormon "France-PhotoEn.

Field-Marshal Field Officer or Flying Ofhave or Pliebt Officer.

Observary Officer.

TM	30-41

	(Fleet Arr Arm).		Bt. George
Frt.	Fortres.	GCSI	Knight Grand Commands
it or F8	Feet per second.		of the Order of the Sta
Fil	Field Service or Flack spot-		of larks.
	trag (see obso F 8a) er	GCYO	Knight Grand Crees of the
	full scale (draw, rug)		Boxal Vorteran Order.
FIID	Field Supply Depot ar	0.4	Grant
	field survive discount	CID	General dation.
F. Ref.	Fluht bergrand	DDA	Gen Defended Area.
PRM	Field Service Mazzad.	Getree	Grantman.
Dilito	Field Service Marching	Cien	General.
	Order.	Gen Hosp	Georgi Hospital,
FRO or	Field Security Officer.	CF	Can fee
IN OUR		CUHO	General Headquarters
F Ho	Fisch spetting.	CL	Gas laving or gun ligh
FRPR	Field Service Posket Book		(radio direction factors)
188	Field Service Regulations.	em er GM	Greendonavouro Ouros
FBH	Fixed Signal Services		penner)
Fh hee	Field Beccrity Section	GW	George Medal.
PETC	Deld Socurity Transaction	COLL	Greenwich mean time.
	Center	Cor	Gester (see give Gr)
FT	Plane thrower.	600	Coneral series.
FTR	Fleet tarpedo bomber	60CGmcC	Cours! Office Common!
FTS	Flying Training School:		mr (em-Cluef).
fed	Foresel	COR	Gun operation room
FW D	Foor-wheel drive.	Gp (C)	Group (Coptain) (Cop
Fue	Prodice.	(Countr)	mander)
G or "C"	General Staff.	GP	General purpose or our
(67)	Ag Garner Officer.		pon der
G-1	General Staff Officer.	GPO	Gua Position Officer
	Grade I (ser also GSO I).	Gr	Garmer (see also Gar)
0-9	General Staff Officer,		Graves or overral recon
	Grade 2 (see also GaO to		samones (serplane).
G-8	General Staff Offices,		George Ben (George, King)
	Grade 3 (see afte G8G 3).	City	George Rea et Imperson
CAP	Gennes Air Force	Cont	(George, King and Em
CBE	Kraght (or Darne) Grand		perce)
	Cross of the Order of the	GREEN	Crosseles
	Bertal Ecusion		
GC	George Coors or George	ORO	Ococent routise order
		GRU	Cornery Reserva Unit.

ARRESTVIATIONS Future operational plans | Octor Fighter recognitioner Octor of St. Michael and

Grade 1

Grade 3

Order of the Tuck:

Hip.

of the Order of the lo-

			1	;
ú		ì		

Bears Milisters 1 The Honorate Artifice Company

Mano-drawn needed eggan plant.

Armyon-searcher (filled with

Restde fine or Home Plant

The Brobland Light Indan-TER

Her (Heat Torontale) Which SC

His Offert Manuaty or Hes INC.

Herebann run er Harne

HE mondary trace.

HE substitute.

Mhio

HEAD

HG

наты

Almena Abro

HOBA Headquarters Pers Arus

Hu Massiv's Indoor Stern Hospital pattern (test) or high newer (ractio ont).

ear.

terallismen Officer. Localityment Officer Bornel Artiflery. Intelligence Officer, Royal Earnern. Indian pattern (test).

ItutaTutsons, kype A.

His Madesty's Australian Ind A (for Indian Army-Infantey.

LOW SAFE loveley's safety frae. labour.

In charge or in charge of Incornal Chemical Ludantwee Importal Defense College lettel contrevent.

Infantry (tank).

secol Pecal house tennerest.

High tenante (voltage) or

His (Her) Boys! Highness. Helding and Reconsign-

Artiflers.

Tests subban subsected 7 to (wire). Initial Training Whee

Island Water Treespoort.

Kira's Breek or Kundy

Versely Communicates of the Low or Liv rere.

Keight Commander of the LGS Was Order of the Bath. KCIE Dire

Order of St. Michael

RC8I Krasht Coromander of the

Kunht of St. Patrick. The Kruz's Boral Birts The Kure's Shroushor L/T av LT

Locks Infeatry.

Level Smark Officer Light applications for

Nr 20 410

Lance Borehander Light draught as loads. The Laurenbert Purchase.

Laththouse or left hand. Versterant-Commander

Light machine our. Distance Officer

Long Bornes and Good

Luht. mohr.

170	HANDBOOK ON TH	DEPTISES	ABMY
LTW	Landing Transport and	MPP	Mahrary Foot Police
	Workshop (Company)	NP8	Military Forwarding Serv-
LV	Low velocity		766,
LW	Long were	MFW	Minary Foreman of
LX	Left cotton		Works
34	Medical or movement	MG	Mortage gyrs.
(34)	Medical Branch Other.	MOB	Motor gunboot.
MAAD	Maxint of Anti-Assensit Defense:	MGG8	Major-Greent, Gereral Staff
MAC Nos	Mocor Ambalance Convoy- Magazze	MORA	Mappe-General, Royal Ar-
Mag	Major.	MIC	Military Intellurance
Map-ties.	Magor-Greensl.	rith	Mices in the hour (speed).
MB	Modern bomber.	maint (a)	Merchello.
MBE	Member of the Order of the	ML or MK	Mark
	Betteh Engers	MIL	Motor tecesch.
MC	Military Cross or motor-	MLC	Motor (vehacle) landing
	teel or Messago Centre.	MLO	Military Landing Officer or
MIC or MC	Metorovele		Military Liamon officer,
Ofe	Marine Craft Officer.	3134	Military Medal
	Metoesysle despatch refer	MMG	Median researce gan
M/C DR		MMP	Military Mounted Police
MCLO	Motor Contact Linion Officer.	MNBDO	Mobile Naval Bece De- fence Organisation.
MCMG	Motocrysis machine con-	310	Modien! Officer or military
MCO	Movement Control Officer		operation(s).
	er Motor Contact Officer	Mob	Mobile or mobilization
	(who should be become an		Mobile Veterinary Section
	Motor Coulact Lineson	M of 8	Microbry of Supply
	Officer-see MCLOS.	Mot CO	Notes Contact Officer (who
male or MC/6	Megany ties.		skould be increa as Motor Contract Linkson Officer—
			are MCLOs

More Control Station. Mine Depot or meetings dropping

ME MEW

MD

Meteorology or meteoro-Mistary Forwards Off.

Parliament. Moles per sullen Mater per bour.

Monday perking up. Force

MPB

MPSC

IM 30-410

| 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200

D Meshamral Transport (OC Orfere of the Gunet Memory Expert OILVB On His Manipar's Berrier OILVB OILVB ON His Manipar's Berrier OILVB OILV

MW88 Mirar War Huyak Statute Mx The Middless Rectaters (Dikle of Cambridge's Denie: One of Cambridge of Officers

Nerman Instrument Offactors | Section Instrument Offactors | S

O Operations better a species of a state of the species of the spe

(0) Observer Office
(0) B Order of the British Exgirr
(0) Ph Office photographs,
(0) Office Commanding or Office Office

HANDSON ON THE PROPERTY OF Reserved Deserty Disserve Possi Physical Toronto Officer Photograph or photo eminahan ser sabotosemmahor. (750 Proposerable Office Photographic recounsis-PV PK Plac Plat Meteory Xurous Service

19000 Poymet-Marshal Dutler Prescribed of the Mess Propertyl Medical Officer Phonograms.

Post office or Pilos Officer.

Press and Publicay Others. Prendent Engineral Insteen Officer. Prizel Reffling Point

Percine and Stationers Service

RAF

(al) Establishment Bearry of Air Yope Offipers. Bound Air Furne Volunteer

Royal Army Opinance Residental And Past. Boarl Army Vetermary

Quarter Master (acc also Or Mys

Recognização (av alto Royal Aruflery or Sun-

QM)

TW 20-410

170 Connect's Own) Boood Naval College. Shoulded on succeeding that Shakes Heard Naval Volunters Re-MOTES. Radio disection forder.

Force tion (for redicate) Bereauth Department X POCK Bushets (sama), crees.

Reserve of Officers

Budhard Ordenses Officer Bencephonance (see ele-

Deced

Cross The Royal Furthers (City. ing

B80 Regimental Survey Officer BEP Britemen. Bw/bead Source Officer. Bayal Garrison Artiflery

Brook Berse Geards CTbr RTO Refiner Transport Officer or Rafteny Traffic Co. EDain) ...

Reval Indian Arren Service The Brook brok Frailiers Basel Warren for year

DANDROOK ON THE RESTRICT ARMY

Right section. Scaler Equipment Staff Balbery telegraph. Officer Scott Grands (Std Rock Beredu Bend arms (neuroperon) Shearl Defense Streets or Consequences Boath African Air Force. tions Office, Barrale (greende). South African Engineer Corne Scare) light or Scandren Soundern Antillers Offices

Star-american contrar (seemandont. Svell arms rife greated Small Arms School Scene Am Staff difference OT DO Bint Officer Small Arms Training or 8M

Patroners enginetion. her sector control Sendor Chardage to the Sector Control Officer (BAF) Suxuale, Corps Modernia Artifury.

Staff Cuptain, Bound Arres Daystonal Artiflery). Obstantion).

8 Doo

WM 90 410 170

> Senior Naval Officer CHO. Server Newal Officer in Staff Officer or Section Scoretons of State S of SITEA

Sabool of Attillary. School of Super-Heavy Reduce Ambery. (See Chief Sun.)

barrers and miners

Sold (rife)

port Officer.

School of Military Engi-Stort magazine Lee-En-

ARRESTATIONS

(00 (P)

Source Ontenna Machanyl Stra factor (Proce Albert's). Staff Officer, Boyal Eq. Stores copests. Secret Officers' School Support. Support Detter Officer.

Simaline projector.

Staff Orneter-Master Ser

Sento Personnel Staff T Soundana Officer

Sec. 834 Search ranging or restrict

Menals Borearch and De- TDS SRe

Tk Officer

or R/Set Special Service Officer Service Samply Officer

Special service Green TNT Scenir Training Corns or or Pregul Rismonoppe or atempospople.

though (Occord (Ostlered) (Print). Stewart or strikeless realizables

Territorial Array. Arrowers Officer.

Troys Countries or Trainme Corre er teafie eco-Tradic Control Port.

Tank Delivery Secondres Engineer Officer Transpar Establishment or Tonk. Tank landing costs.

Office Techniques of Mater Trans-TNB Proba in Carebo-Transvert Offere.

armen. TOP OF Truck Officer in Chance Veterioray Expanding Sta-

WW 90 410 120

Tue

714

The below properties on the file VHF

Transport or Transport www Trobuscal Bearanth Fatab VMC Verkeen marking seen

Their Royal Higherman Vehicle Bresseren Denor

Vehicles to the rule (mad-

Wanter's Amiliary Ast Euro-

tire. at propelled)

Wine Officer

War Office or Barroot Officer. WO 1 (0) Warrant Officer, Class 1 (f)

Herrice. (Army pures, a part of Weapon transfer.

WWO.

Verbal (message).

170 The York and Laurenter

ABBUTATIONS

Begingent Vorne Robbiem (Watta/Sana)

Chapter 11

GLOSSABIRG

from difference between Frein's Brights and Austrana Brights — 171. U. S. millitary terms and definitions with British equivalent terms.—The following pleasary contains terms generally employed in pertinent Wer Deputy tests, followed by their approxition and the second of the

but rather this the Bertain method is different enough to parkning giving a single term as even an approximate convivalent.

Under State

Leonagonysia orbitry—Stript hatterns, pittiens, hertiers—"in supertensuponysia orbitry—Stript hatterns, pittiens, hertiers—"in supertensusors.

or piece attached to assoult infantry reguments or eff: or attached asbuttainess for their elecs support: manifer (made commanifer).

Admin — An expansement or buttle, usually one on a feece

Addresse—The person or of the to who the assessing to to. None to dishared, the dishared of th

sings and other affect outperts.

A major on which is reasoned Perso, graphically information property and respect to administrative matters, such as report and respective institutes, that investigate that, otherwise, continued to the property of the property of war, transportant, otherwise poerts for stranglers and pressure of war, transportant of the property of the property of the property of war.

French States details such as traffic surely, and execution, when chided in paracraph 4 of the field order, and at other

and higher wrate. (See also Gowlet grolers.) Advanced The resource of a consequent toward the flame formulation more

chrosters of the course Advance by bounds -- An advance controlled by the State.

Advence command and .- The location of the recognizeder

Advence mared - A security detachment which upporder

Adjunct manage center - A concentration season for the recention and wher of memory to facilitate con-

Advance on Advances formed

second should file represent of the advance extent and Advance curious -- The forward or most advanced with-

driving of the communications seen. Arrest (or air) elementary - Observation from hallogue. airplanes, or airstine.

Acres (or orr) whoteversh .- A metery taken from our Lind of specials. Acres (or air) photograph, oblique (noticed) - One Oblique

Acceptations should - Mana upon which information per- Acceptations insee. marriy for use in air navigation. They are classified.

as Destroyal! finals 1-500 000, and Destroyal! Agency of streng someonication - A term contracting the flegral cost.

mercene, pieces, rade, vanal, send, and van

Botok

No superpleted

Command post.

You roand (Red for

TW 80-410 HANDSHOOK ON THE RESTREET TOTAL

And another - An establishment of the Metheal Departs and teether democition of countities in counts. The provided are brought. As not statute as somethy established habed for the hattaken in combat by the hattaken Att have -A command which is conjugated and conne-

the same of the sa ebasts from and other isope transported and landed

of sharrens, inferrestion centers, and named constrengt and of durintential information to impatrial contract and to subtree and count necessarily dir defrace command. An organization for the countnation of all recommend deferms against covery sir

cut evention actingrend artiflery bolloon barrages. and narrow antiscreraft defense measures. tucal installabuce for serveing armine presented to be had been deeped and the street who do Deepe embork after the screens reaches the ground.

Air comments - Superfortty over carmy ayanton suffi- Same. Alost.-A state of readress for posyment or setton. discount -- A straight true upon which accord the Alternate conductoral -- An explanement prepared for

matematic or appositable Albroay fries soring, -- A fring perition from which

Analysis and Jacking part ... A many where consulting see. Car part (CP)

of a battaken or prepalar cost). (See

WW 90 410

No sorrespect town formed at the ad-

tion). (See Sr. 38.)

of these are time

within the unit carry

sixy air referen

net them detects.

todedness station of social established for the advalu-

lation of movement of ambulances from front to year Ambush -- A conceased pines or station where twoes He

backing for the vertices of attacking by exercise. Tenore metal to such a position. Yo ottack from

August - Orders, room, sweetnes, sketches, ferres, about table courts are encoloused to excellent

department artiflery intelligence acress, and souther of

achievered artifler units for the purpose of eather-

ing and transportation information of course are activities accessary for the proper employment of the

decreased defense of the place of defense recorded her

nevert street from the sir. It melules pession

were of defense means of defense

product traces, installations, and ostablishments protect troops, management, and constraints account mechanisms, materized, or armored trade

track-larger vehicles

tening a quantity of high explosive which detocates

Antiberd more field-A groupley of antituck comes

penneds the measures of track-layers suborker

mustan in employment against armored vehicles Asserted -A route by which a place or position can be. Same approached by an attacking force. The route lead-

me to saythme, so a bridge Approach march .- The advages, availty is extended dapositions, from the point where hostile moderns and

Approach from A. A. breath serving to connect fire Communication breach.

TM 20 410

Assert from A problem from commence percelaying-type motor voludes, the balk of which are upo-

description of conjects sense. ments of excess War Department politics and rules.

descript the content with Department position and rates.

debilical obstacles (Beliedes ownsend by house, None tracking obstacles. Obvision prepared by

her an artiflery from tant for the delivery of fire.

Artiflery presentation ... Intended artiflery fire delicental immediately refer to the advance of the infactor dway

ArtiVivy with the coras -A term word to indicate all the

B does not openiously belong.

artiflery to a corner multiple sorrer efficient and as-Annahus American Among .- To close with the sussor in order to employ mine - 19 class with the square in color to english macroted treeps, it is called the "charge." To deliver Armed amoral - to associat debarred on an extended front under coordination of a higher commonder. small and frequed, scotion, platons, company, but-Assembly -- a. The pupulse promping, in close order, of the elements of a command. A The grounder of units in coordination or reorganization preceding further Assembly grow. The area in which elements of a meamoney are assurant preparatory to further action.

Artitivey asserted to

(Not fig. 110.)

Armoured troops

Briggering arm.

CLOSS APTES

Thetad States tood meaning to account asing continued and the course from manufacturities his defense on a reservant novemen. Offer also Erratoriones.)

Automobic county--- A process of county under which

are neveral in accordance with a predstorward

and approal in appointment except recepts that expe-Associate or --- Any arm that quiets the principal arm neward the meson of pleases, or heating greated. detail road -- (Observes) | Often Mann percent road)

Asia of council concentration ... The ratiful and rephable

Balencol stocks-Acceptation of arrests- of all

or without sourceting eables or appointed nets.

Baltan bel-A mooring place on the ground for expense bulleages Personal Preservational fire on a line or laste, other

Barroade.-To fertify or close with a berrier, maxife,

figual, or both, that block or vestrict entrance into an Burrier Acetes-A torse used to describe the use of No explusions.

abstractes defended by fire. New research Supplies assumptioned and stopped in Herre. depote for the purpose of satublishing a second receive, under the control of the congression of the

theater, for the theater of operations as a whole. these section .- The rear need or subdivision of the Base area.

movement a regulated.

DANDROOK ON THE BRITISH ARMY

tactical and technical needs of all arms.

Defension position or

Book defeare. That part of the engend opposituation. Books

Brackhead -- Posture occupied by advance troops Buse.

or at a pert. Back county-An assertedation of country of all fines.

clause setablished to desepe on the bench, Brates away. The natives formed by the copy of fee. Some,

Affirm -Shelter constitute of private or public levils. Some

shalter tools or represented shalter

Development assisting ... "That there of existing whose Bomben or bomber serverify.

Book-elega line -- An arragmary late drawn around a Some

first bornb to have it strike the nearest edge of the

Buandary - A live designating the lateral limit of a some for hornoge -- A system of standing because engloring flame.

Sreak-direagh.-A practitation of the entire death of a

protect the pressure of a river or deale by the recenturer

betters and pressernia, used for radge station identifier-

District States Consultant. Work does for the correct of decerving Same

Cours ... Shotter concenters received beavy tentury. A. Barne

Ornigament .- A group of horspears brokings emografiy. Hubmant. Consider - Louis in somerred elevath by death, Burn narryte atricem dischesse earless, or deseaters

County part (chospiel) - A material of each physical Polescourses ing expectationics can be set up under conditions

Consecution - Management taken by parament the backs on of theme.

Coney.-The meldly point or element of a command.

Chesi, assessinations.—Remetasion of fire on easily tendry - New also First for subsequent and Description)

prihant effect a presenter make or an inscribion Chrosinal entrader.—A extendenced tank from which Orlander-

Chemical fond sums -- A container of nemistent use em- Some.

Charl of stuff - The samer General Stuff officer, detailed. No armet soulealess: unit. (See General Steff.) Observation —The recess of destining water for deck . Same

Cuber-A method of secret waters that substitutes. Some-Creat dispose —A schematic representation of the Serve.

Consistent manual man observe the measures for Traffic man-

traffic modition

No comvalent

Renatuators.

TM 30.410 171

PEANTONICK ON THE BESTISSE ARMY

Class I -A class of expedien reconstrue of time-notation year beliefed properties such as return and

freeze. Class II -A slave of expelies possessing of those arthur-

and a state for a look offer room any setal dated has the Tables of Barre Alterances, such as challeng one

Ches III ... A class of some by concusting of engage facil-

aweraft Dorel of frei of and coal.

The state of the second st

pyrotochnics, natutant minos, and chancelle. 39: naz. 68: not n Obser (need) - To make a domagnated point or line Before Stope

to the tail of a creat. Clear (in the).—The sending of messages, orders, or m-

Grarrey station .- The corps or districts section metalla-Caucalty descine 46-(kg (88))

necessary, and turned over to the semy for further reasoning (Pompets sailed "hospital vision.")

in line or column with normal or close intervals and Constal force - A nased force which may be organized to

to carry not the Nave's functions in constal frontier

County fromther defease - The organization of the Arms

misment and ma-

ed for prilitary me

County over 19th which was of the recently value Same

the constraint sea laner and focal points of chapment Court antiffers Autred -A reporting factoral communic

which endeded all harbor defenses located within a waste distance and mark mobile search artifly with an may be accepted thereto. Chapteries are fixed. The water area advanced to the non-

county or shapers.

Calc ... A method of ment writing that exteriores avairalence of whole sentences, phraces, worth, bettern,

October sent - A point designated for the collection Committee station -- An extable broad formed in the for-

ment combat once for the nurrous of collective and

Couler solube ... The unbelook element of offensive or

Counted mirifigence - Military Title Rigence produced to the field after the outbrook of boutfloors for the solethe least file on the state of Chick and relative wealth-Combat coders.-Oral, destrated, or written orders issued may please of operations in the field. Combut orders tustade field orders, lessors of instruction, and ad-

Combat carpant .- The carpacet or security decarbaser to bestables) when the distance of a repurity echelon with, and supported by, the resolut scholes then

commanders.

Collective west for politica and a

tion (ADS) No.

to the enterory of tateBirones) Olca

Operation orders (DO's). sice and bigher lev-

TOM: 90 410 121 VENTAGORY ON THE RESTREE ABOUT

Classed States water team -A consequent grouping or two or more

beserde greeg). Contained bearing ... (See Fast bearing)

batters forces. It is disaded into army, corns, and

Canbridge environs.—The testing of the combined or

ambrand operaneus.—The Locoles of the construet of to correlate earyears of these. Jent operations, as by two or more

Commend-The authority which an individual exerolses own his schoolingten by vertex of reak and penty and in the prescribed physicology. A body of remainsting the other two hours combat and warely

passent above the applical record rapider of the ground. The vertical bright of any swand says other ground in its victory. To order or exercise com-Consent on ... is rather which, mostly arrest and

Amound remand proceed, eguspood with facilities to maint in the overess of company therefore Commendant around -- A victor control which overlooks

Correspond post - The ward accorders and concessed facili-Commercial heafter -- Method of londing to which shap

tastical employment of the troops on hardens is not consequentiated until their engreeness, other than per-

Communicable character-A discount named by current Comparated and some. That part of the theater of oper-

dary of the combos score, continuing the lines of comsupport and moistonesse of the field forget in the

non land, and sir

Ho

Line of communica-(See Fig. 36-)

GLOSSARIES

Communication trench ... Toward, designed polymerly to Street

unit. Ohr. Trans.)

ruless, woods, mines, or bodies of water, which prevent

tion from the view of the enemy

Concentration - a. An assembly of process in a recricular locality on mobilization for training strack, or dofeare, & The sentent of tout chemical water in a

given volume of air at any particular time and place.

Conference on V ... A talorhous sall to whath our stateral. races other individuals at the same time as order to

Connection events (or file.)-Ann errors (or file) of in-

Complicities of morning.-The set of organizer and

Coston -To hold in place. To melore. To restrain. Customuse orden -- An artests desired to hold the

Costingent coor - An area within the field of fire, other

called upon to fire. Century salered -The difference in slevation of two

here defeately determined.

Henne.

fire (c)

Midnish rall

Borne.

TW 30-410

Control maket A companied bound established by a Mantinggraph (for some pite) or teeffe conand matrustuces are given and processed in order to

furfitate and regulate uppity or traffit.

und to encode as a unit denne movement. To

Consequence ... The art of working together for the assess. Same.

Conduction ... The set of consequence repulsions and combiners, to sain the best resides

Chember -- A comparingent of terrain of which the loaner depends her generally in the depotion of married

of a force, or leads toward an objective-Observation next by

observation the constance men restar courty and number of soldiers).

Countries - An atency by a part or all of the defend-

Countribation for .- Artiflery fire delivered for the neu-Some demails sarried

technolog or destruction of correct hasteries in

am by the entery. Constructibutes ... Measures taken to destroy the effectiveness of the energy's intelligence sevices.

Countred corner. -- An offensive operation issueshed by

Construction-Presument for determed in a from " abelighed)

Construction of These measures taken to series

testing. The vertical robot of a terrary represent ten of the message. To preside, or provide recenty has another force or a locality.

most of troops which provides security for a longer

Could.—An allegation of a definite quaster of appoint. Reserve supplies.

also Wearns commemme t

Court - The supposet or highest line of a rifer. The

pocally round eryptographic saviege, their proper use,

and dispers used to encount a whiten recounty unto

patiented dataly by deviation and targer than giving the Duly recoil of the free arrives duly at a mileted with. Duly recoily free

Day of the - (See Unit of fire)

Day of muchs. The entracted average expenditure of to quantities of specific fleres or in posseds per manper day.

Desirion -- o The general plan of a commander ru-

come of a listile, one sale being demoveds defeated.

actack... To conduct a defensive battle Defeate ... The means adopted for remating attack. The Defeate.

Daily wasters rate

mar no 410

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Defence area. That part of the battle country assistant

when referring to parts expeller thou a recipient). Obse-

Defeated constal area.—A part of a coastal star and of. Coast defeate area. the land and water adjacent to, and induce of the

Defendence The set of assertion the defender them-

see in which percent ayoung a creedward to the

amounds. Defences negitive. Any ages operated and wave or less. Bove-

of nestably organizing delegate aroun or tactual

polycline the agreement to an increased reel, harbor

dresses may be delayed until the beginning of office

Dishlado-Protestion from hostile ground observation

Deble -- A toront feature or a structure which can be. Since

lateral massespects, such as a mountain pass or a bruder.

made on a first where a departure is not exactly and

Dept - An occurred locality for the recention class. Home

fination, closure, busine, or colours of namedica, or for the respection, electrication, and furnitions of co-

countr arms or weaver Doub ... The conce from level to rule of one formation. Same.

Detacked post-A post cetablahed cannot the leasts of Same.

Detackment -A part of a unit expereted from the vacas. Same Destroyed The Application of a command form year. Destroyed

Distant and the proper delivered and the of which is No composited.

perhaps around it made by the mostary Direction of murch ... The diversor in which the base of

Denot leaving .- Leaving in which the rights of the wespon Durent purmer -- Parrent conducted supposed the rear of

retreating polynom, and unindeed the environment Dred report-Support provided by that artiflery

n Dart Describes —Their mental attenues and state of traceing

worder of Lecephrica.

Depunden.-The discription and the fremation of the each for the accepted-haport of a common paragra-

(ATS

(TES

Depart (excelose) money

only to treasport).

121 Distributions need - A place other than a depot or rail.) Assuming the provider class of ampolies therein, and by the identity of the

Point, let Division," or "Assertation Destriction

Post, let Infector." Distriction - Why reserves to which traces are discount

necessary Descension of networkly An extendenced from on detail, accomplabled in various ware. A debours of sureties, mendenly by the creeks officer of a lanker tract to entractionts prote or to under Charles

Draws ... A temporary storbase of unsales established

of supplies therein, such as "Ind Industry Assessments

Rebelos - A formation in which the middrisions are formations, the different frontions of a command in

echcles, support echcles, and susraye estates. The

Effective range.-The range at which, for a particular

gun, offective results may be expected. to all these various smaller wants or ports of units.

Flanted States

Commence and the commence of the comment for the preparations of other dresses. Elember word - A prepared position from which a unit or

The state of the second of the Parish w acotes

Encombing force. -- A mornaling force which moves arroard heads of retreating energy columns and home them to

Brook - To translate options becomes into code English To five at a toront on that the line of five Perse.

Statementa service. Trease, matricel, or severies reco-

head of a reselvent balts for the entroples. Municipal As officers managers in which the force.

your attack is directed from an over whole or restorn.

in his year, usually assumed by a necessiary struck Except - A hody of armed men to grand a person, persons.

Front force ... A part of the payah local defrone force Same sharped with the duty of protesting copyons within Eryanage.-The process of obtaining information of the Hann

Paramol elements of information ... That information of Sigme. the enemy, of the terrain set under fraudly control,

sound decision, conduct a maneuver, avecd surprise, or formulate the details of a plan. They mehale grass appointedly desired by the convenceder, and re-

formation movement by other units. Entirests of the affication -A largest process of reasoning. Approximation of the by which a consequence occurded all available data

arrion as to a occurs of action, metaling the expression

Describe The obligation of all forces or sighting from

Healaston of enformation --- An analysis of information

its accuracy, its creditable, and its application to the Because In office depend out the successful to all

Finalesborns -- The sat of taking full advantage of a manner Ober ales (Greek employeess) Fitzended archer, Formations in which the individuals or alcounts are expected by intervals on distances, or

Publi fortification.—The set of immagine the natural Same.

defenden and to nestual to the smatest receible asstincker. Defensive works of a temporary nature

with the execution of tactical operations. then also

First costs - Formerly, the trace of a regiment or sing. "B" schelon transport resulty in excelsa. (See Trans.)

Fifty configurated --One of the number of officers and First-line reinforce-Final protocor line ... For much became fire, a produce. Front his

mused line along which, in order to step assume, is of substite Fire county ... True delinated for the cost while advance. For on the varys.

not the percenture

GLOSSARIES

For self-other-The combined flor of a crosm of task-First combined temporing and countries -- First dustributed

West combact of -- Economic and technical means to Pro-control.

fire to a tarred.

For common Pire from Officers different directions because Fore, destruction ... Artiflety fire delivered for the express

tained.

alred directly on the target.

and practice which means an orderly and efficient evolves of the newspey in the felicent of fire

For, feld of ... The area in the circuiton of the eventy which can be effectively govered by the fire of a firest must from a store position. That portion of the

Fore, fined (concentrated) (posset) .- Fire deposited at a Fire on fixed five.

Proc. Sankras -- Fire denoted agreest a great or objective. Same.

Fire for advanturat.-Fire different primarily for the Registration or trail to the firing data. One also Cheek conveniences and

For the effect ... This delivered for the correspond functionly. Sense.

HANDBOOK ON THE BESTISH ABMI

Harry Accepts - View delibered accommissately at right Same angles to the front of the opens's live or ather Fire exceller. The which is appropriately parallel Same

to the surface of the entered and does not not builter above it then the height of a most standars. Furn

Fire book-wards -- Type delegated at elegations constant therethen the elevation corresponding to the manifester.

For majoret. For in which the weapon is given by flower

The body of the state of the state of the state of For immends.—Fire delicered at angles of elevation flores.

to the leve asis of the target.

Fire absence - Fire which is affected by observators. subbody or unexpectedly during the oxine of an gan fre (GF) ter-

bullets with reference to the slow of the control in such that the darger space is reservally confined

to materially invested.

First according to First distributed in the direction of Same.

our. For representative A condition of for the effect of which is Borne.

For tracrupa.—For descripted in the direction of fine-rates or travenous works by executive chapter in the direction of the fire-

628 For trench.—Temph designed remards to provide force.

Fire mail .- A unit whose fire is battle is under the im- Same. mediate and effection control of its leader. Person marking A breakty or excellentment from which Besse.

A 112 or a wrapen carenter fire movers; classified as World ----- Separat smiller warrows that see Passe

emplaced to permanent from positions Front state for Chataches which are occupily placed or Street.

GLOSSARIES Same

the strength of a

vespon pit. (See

Frenk - The cade of a compared, from the leading to the rate, when factor the enemy, and door not should protects the face of a marshour force.

Fight.—The basic tarties! unit of Air Corn, cornains. Faller via ... The act of exerting close, direct procupe on

to the foot-

Dar \$336) Operation instructions.

each is to play in the operation or in the reparate

fragments of a shell, bossly or grenade

HANDGOOK ON THE ENVIOLE ABOVE

Front - The departure of the enemy. The late of non- Super-

an element, measured from one floric to the opposite

Frenches -- The course to making executed on executed by Harms

nests explained of local negative, in any views views

0 1 0 0 0 0 0 0 1 - (Bo Ground Bod) Gart. Manner of forward movement of the hope. that Burne.

west is moving at the locatest considered Course condensessation - A counterproperation Defenges fire

Control Stoff ... A bady of officers eletaded to the new The Staff Opeleties.

> heres). The Adinend the Quarter-

> (See years, 1655 and

Intelligence: G.S. Overstone and training G-4.

Secretary and such the War Department, a fifth noraged), dates corresponding to those of the General

Graced payent-furgers provided by that artiflery

Georgescal (Const Artisticy Corpe).- A toctoral corp-

together with personnel and material required for its

Commission of Child willburk at Laurencener specifies of Commission han or more batteliars or larger units which have the Garriella (or ancienas) worders.-Irregular was carried Secre-

63,0854

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covered may be

spendy appointed),

62.088

United States

Goods,—An individual who heads or grades a visit or Succe

which over a preditirmized reads or into a selected

subticle over a predictionance reado or into a selected area.

How's alof.—A general term to include all she's down by 80 band. Specifically, It applies to a resall sind on

hand Receivedly, it applies to a ransk rind on manners.

Hereas—To assess and disturb the enemy by fre, raids, issue, frequent small attacks, etc.

Trenzing agrid — A themsell agent used to force mask. Since, ing sed that slow up enemy operations.

Hereasing for —Fire delivered to arisofers with and Since.

eranning fee — Fire delivered to arterfere with and emany the course, to keep his troops elected unaccessority, and to lower his efficiency and movele. (Nonsine Interdisting fee)

also futeristics fre)
Herber — A stationed body of water of sofficient depth to Har canada a stap to find shelter in it from the stores of the lark con.

Harber dylean.—A healthy organised administrators and testinal Army command satisfield to defend a leasted portion of a contal area personally against

hearted portion of a coastal erea permaraly agranet satisation from the sea.

Babb.—An opening in the deck of a vessel; more shorely. Same, so opening into the mean mapp part of a vessel. Also a vessel, white which reason the concerns deckler when the same than

a wooden sixtier which coarer the opening

Head of column.—First element of a column in order of

manch.

Head-of-to-out.—A term proceedly marked to agreed;

which are not supported by a gas lighter than nor.

High oblique—An oblique photograph that includes the same, samps of the horizon.

Hold (not).—To return physical processors.

Sense.

Hade cont.—To retem physical posteriors.

Hadeing and remanipuosal point—A real or a motor. Realingy olding or mocenter with considerable sequency to which ones or trucks may be seen seed as which they may be held.

tracks may be sent stad as which they may be load until their destroughts become howes or rough the proper time for them to be maned further seemed their destination. Helfing attack (or normalay orbin).—Their part of the Same.

etteck designed to boid the energy in protion and present the reflectance of his reserves. Here length—A term of measurement. For evanue. No equivalent, trees in representation process a borne length or experience is PRINT 20 410

1.71 WANTOROW ON THE BRITISH ARMS Donted States Licentification manufa -- Parelly of cloth or other cault. Operand string

Many feature -- Any distinctive marks or other means. Some or marks or to stock assessed controllers or engagement to:

Terreshive - We the down. To describe of mobility. Assertions navel - An agent cord reignarily for actions. Horse-

Industrial and a desire or which the late of sighter to Orested town a fixed phase other than the target. Indicated continued - There supplies necessary to

smaller the individual to function on a coffice. Indiver-To year treege in relatively small numbers

failed near ... A resul at which a moving column w. Starting years (SP).

formed by the successive arrival of the various sub-

Inship recurrences. These supplies required to meet Same the principal diaments incident to field reconstruct Inner harbor area - The entire water seen of a free fied Samo

Same

absenceds to the harbon

In norther ... A term which indigates that the wearners accept customs of observation and concentration

In rendereta .-- A term which indicates that an artiflere Series west in held near one or paces possible positions, pro-

pared to move quickly into posture when ordered Justice paired.-A trief of the manual bond deferrer forces.

eneralize expendly within a defrence constal area and controlling shapping mitten a defensive was area. Integrity of Inchesal master. The manufacturages of complete.

Jakererur stables -- A station that intercepts enough radio traffic for the purpose of obtaining information, or a polymer set).

Interfact.-To present or budge the use of so sees or coate by the aredication of showerals or fire, or both Intermediate observer.-The objective whose attalement. Stone.

Jatornal - board Letwern indeveloping or elements of the

ma, combine, incompanies, or headache followed by

behalf of their organizations. The supplies so de-

housed. We send out officially or rebliefs, as notice

Joint assertions - (Bee Gambiand corrections) Joint operations.—Dec. Combined operations)

Local plan A plan plan whose memory is to establish the Same. bases and persons the accreary place for local action

owner — A circustration re-

Large-realt maps: Maps mererally of a reale not greater than 1 20,000 intended for the technical and factoral

Asthol - Dowley. Letter(s) of entrootion -- A manual by which the place of

Lennas -The conrection cotablished between units or Same one west also you's or respace with another unit.

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Lighter-ther-nic .- A term generally needled to seconds. Name.

Legiting post. The designated point where the several Junction point

home to a dakeness position of coduced their even the

Long. A formation in which the next lower subdivisions. Same of a compared any abressed of one parether.

Low of departure.-A how designated to coordinate the Stretting! has the

departure of attack elements. See the second to configure the Stational According to Line of electrofree ... The line operation by the observation. Same absence of the contrast resulting. The less from a

Line restr man .- A man or man rabelished on which are Some. shown the actual states of wire excepts. I will be a series of action or any to a series of action or

mander to a particular situation. tion of assessmentation. The natural of radways, Supply lasts a stranger and made which lead into the combet

you from advisionality establishments located in

(See also Communications were) Automora next - A convenied or sheltered parties extels. Same

Latter relay passa -- A point whose hitter-bearer remarks

Lucas property - A marine mainlied in the ground to Same project chrisical agents

anders exporting the thiratered from-

exervibing relating to movement, expany, and expen-Long lay -- The wearly of 2,240 pounds systromess.

Bemiorement.

Low obligate.- An obligger photograph that does not in- Some chade the proper of the horizon. Committee of the second parent which gureau trailation. Rame.

Mark and Mark and of the search of the state of the search of

Home hody.—The principal part of a command. A com- Same.

france from of all train and exporting weapons. More result road.-The prompel infound road over

ama (Formula called "avial med ")

on the simple operations that can be trusted to the and the couple operations that our is treated to the Mosetogener from takelon ... That maintenance non-

Membranes restrements... These number recurred to Secretary (classified as Management annual coluber 198-14 according to a 188-19

mally nectoraged in the field by quartermater and andname personnel

Manager - Movement so designed as to place tenous. may be outlood, represented, or magraces. The

Monifor (skip's) - 5 detailed and accurate hat of a Same.

First-line reputs (s.e., dally rounteenner

Dans persola II a ent by beer work-

(LAD's) and dryman-

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HANDBOOK ON THE RE

Map.—A representation (smally on a flar surface) of the Santo, surface of the north, or some part of it, showing the ristree use and partium, seconding to some paven scale or specietion, of the parts represented.

relative mee and position, necessing to some governments and co profession, of the parts represented the parts of the part

Maps, intermediate work (steps seem) reserves seem)
(small scale),—(See Intermediate-recit (Lerge-scale)
(Melwawwoods) (Small-scale) supp.)
March discipling —The characters and enforcement of Same.

March discipling —The observance and enforcement of the rules of good marching, especially as relates to the goritors of units in the column and the position and

position of units in the cotane and the position seek condust of individuals and vehicles. Movek graph—A graphool presentation of a march, Movement graph.

Morek graph —A graphical presentation of a mused in planning and controlling marches and mnaring and checking march tables.

paring and obseking march tables.

March as —March torsed.

March assued:—A temporary regress qualitated for the Coverior detachment

darrh on/post.—A temporary cuspent established for protection of the command during a brief halt while regular composts are being established. Give

while regular estimates are term communication of the second security should not be a second of the second second

achedale for a meeth table
Marsh seet.—A subdivision of a marching solution which Group,
waster and balls at the command or success of its

engrander.

Market ire—Mikhary authority substituted for sivil Same.

government in the frome country or any district theoret, either by proclamation or as a military necessity, when the civil government as immorrantly

necessity, when the civil government is temporarily unable to excrese central.

Most (obstration)—Any natural or artificial obstrate. No equivalent tion which interferes with your or fire; usually an

oak (obstruction)—Any material or artificial chaterotion which interfeces with varie or first usually an intervening hill, woods, see. Princially steeps located between a gris and its target wasy constitute a mask

Messa of signal conservationies.—An approxy of signal busine occurrences and in terminalities message, such as wesserger, pupos, redgo, visual, securi, and wire occurrenceshing.

Mechanisms — A term organizity used to decode the Sount.

Methorsteenes—A term enginedly used to denote the mostprocess of equipping a multisty force with arrival next arroad motor-propiled vehicles (Recently that term has been as leverly used that it has but much of its original meeting, and the further use, therefore,

Mechanistic owings—Cavalry, equipped with arrocced cand self-purposed anote vehicles designed for exclusion perpasen and in which evences are invested.

Mechanistic seat.—A unit which have and fights in Banco.

motor vehicles the helk of which are accord, and amorred vehicles self-contained as to seem and weapone.

Clares of States Medium-scale mean - Many populate of a scale from No equipalent 1.50 000 to 1.121,000 intended for strategical darked from the corps to the rudinant. Modern conservation A military between two conservation. Proceedings on contact

forces each of which is more or less unorrepercé for bottle battle.

Manage I took which includes all instructions as fines or sissed or donorts, orders, documents, photographs, maps, etc., patch.

Manage erater -- The neuron of the community at each. Shoul office,

handamentas or organized that commission to the

except those beautocated directly by the writer to the

Deferred (Prombs) (Baston) (Ureen) message) Mahiters excet. The line meaned the ereat of a ridge or

Mildery government -- A government established by the Bome.

source which may come to throw light, on the every

Mikeary estelligence-Evaluated and interpreted informytten conserming a poserble or actual engay, or

MAKETY Police -- A place of troops sharped with the en-

wal or unit, or deduced from a knowledge of the plane erperate fight operation of a ringle hirphane or of a

Corps of Military Po-

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171 DANDROON ON THE BRITISH ARMS Dedut States Molely grownest -- Supressed agridlers weapons that serve Survey

and track-drawn artificer

Makily assessed - Records supplied held on treating or on. Home-

Monages are ... The set of manching are area or northing finance that has been passed over by friendly traces in the

Morals.....The psychological condition or mental state of Same

not named who township, classified an "controlled." "oncontrolled," or "stop "

contained with precongrepated velocies. Some or meter unit.

temporarily with suffrant wonce volumbs to carry all the restricted and personnel at the same time

more longer are fastered in permanent relationship to

analy called Mutual support.-The support involving for or morement or both revolved one another by advanced

Natural abstacles. Any termin fratures which hasses

military management or operations, such as deserts, receptants streams, ownerse formits, etc. Nantualising fire.

carrier waves been baserering or interrupting

Nonrelus -To destroy or reduce the effectivement of Newtonian obernouls.

Nonaccopical paret.-- A chemical agent whose effective- flame. Dark with no new to the are at regat of release in disripated within 10 | defects time leave)

Norwel burregs .- A standing barrage laid in come-into defects of the notice which is supports. The barrage

Normal sons -- That portion of the sone of fee of a unit. Zone of frewithin which its fre is nedmarry delivered. Observe-A locality which a command has been co-

deved to reach and possess on a hostide force which a command has been ordered to excreme. For the Air Corpe; that locality or these which were be

Florid Store Observe felico - 1 felico co considera contabiles de

sharts, everlays, or drivenus to show lession. approaches, defenses, and other respectant data one-

Officer certal for cert whotograph .- A centere made with a seriors whose control over a filted own from the

Observation entoring -- Units whose primary functions

tion. A position from which formally and exerci-

Waterfr .-- Any device or feature, either natural or arts.

turn or artificial work which impedes the manuscrea-

Officer nated - A next of the next least defense frame. No content of those area, assemble to the makers nated

Operation man - A country presentation of all or parts of Operation or shorta field order, using conventional rapps, military sym-

Onley of morel. The discoursion of traces for a manior their order in the march column.

Organizacional warr localing - (Non Unit locating)

Overal - To determine can's possion on the ground with

whose a reason on that six researchers will be passalled to the

on the grownal which they renerated. To refer to or eviden to make enother concerned with

em B. Arred to come

Same.

mar no 410 THE PRINCE OF THE BRITISH ABOUT

District States contest ... To your around or turn the funk or flanks. Sunt

of an energy. To green beyond the flanks of the cocmy's lms. Catagord ... The reset forward security unit peated by

an outpost Output -A detackment detailed to protect a resting or Serie.

deteration from assured surprise and observation by heatile ground forms. (But Combat subant)

Section groups of the Country of the Country of a battle. Line of outpoors,

Contract line of removement. -- A line designated to except. No some about

managerian artifery. Occupant A short of translatored paper or closh, for lawns

O A torre

names which is under payed southed Greener apprehims .- Observations conducted with a view Sume.

Organizate conducted on lead after the landing of se-

correct exaction. Page .- A step of 30 rights; the length of the fell step in Same

Part band.-A form of redividual part, common in northern countries, m which the load is fastened to a

hark

Personale treate.-Troops moved by air terroport and Same. landed by present of narnabutes

Perk ... An ages used for the purpose of servicing, main. Some. taining, and parking vehicles

Party - A detachment of miliriduals employed on say Stance. hand of driv or special service. For the artiflery,

remain in position or move to the new Percel - A moving group or detachment next out from a Basse. barner lands on an independent or limited persons of

reconnectuance or scennis, or both. The set of natrolling.

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Dietard States Physicolics -- A form of attack to a back the years attack

release for pure than 10 minutes.

Personnel carrier -A mater vehicle, secretimes arresped. desired retinants for the transportation of personnel and their weapons to, and on, the battlefield. Photo Manual Line on Large to Assistant which Languages and Barren Line

stilling by a corresponder for control or coordination.

Distance of the second

placed, meladare, at least, a stale and a directional

Probt.-A detachment of an origon) sent out to per- Privat or massive form the distance of an outerweel as a central more, the

and establishing control posts of ste own. Description A contract acrost the cost photograph is which Some

Plans test (or clear test or plans lenguage).-The text of a

Plea -A scheme or design, encodedly for any makery decided upon and adopted by a commander, as the

procedes the advance party of an advance guard, or

Positive, sampley-Uses Assembly cres.) Phyllips in confiners..... A maritim assured as a topic certainty that positive action is sureskeed unwar-

restroid

van guard (See Eg. 199.5 Position of readloose

STANDBOOK ON THE BRITISH ABOVE

Decede ... To remake a payment on the element to rear

actifiers respons of 12-inch or greater exister.

Primary from parities .- The firing position from which

venery pring position. The riving position from which Principle. Defrote relians which establish, in order

of time, the precedence of shygment, the manuscrieof take, the precounce of enquant, the manufacture of and most water, or other transment, or the re-

formaper of several leaks. Disable message ... A recount of less ergeney than those

neverdence over cycline messages in order to reach the addresses in time for effective action

Occupied of our -- Property cardward and held to early

Protection abeliance-Chatagina where shad memora in

Daysed An effective correction against a defeated

Present constant - That type of availion whose present

Ourselver, section - The overestion of individuals No excitatore. warmening working -- 1 ht regregation of their plant of

doll or matrochice) is not interrupted. Quartering puris - A drived west out to become the Hashooshur weets

billets or quarters. A billeting party.

Reducted angular (or reading (deg.)).—Basiles porregardant ion Warden-telegraphs

Reductricphony (ar radio (roser)) - Radio corneracionico by means of the voice.

Raid - A radden and round incorner. An offensive provenent, usually hy small forces, directed agreest an

Rushand (truckhood) (nonigation head).-A supply point

bend, let Division," "Ammerities Railboad, let and

Earlied distribution - house of older I scoppes to must be expendent.

Publish aircraft

Super-beavy ross de-

Surse.

Bulletin milit of mint designated by a cold man. Name tones after the attack of an objective.

Rate of marrh.—The average speed ower a period of trace. Suggest or morel.

Flation code - The period of time within which the three No convolent

eremy.

Bose made - The descriptions from the comment of a man. Name on more parted Programmer - The countries of searchest for informations. Seems

is to obeau information, to marriage contact with the or area search sorter. December of the A series of overlapping vertical [Line overlap (vertical

obstormolic made from an arrisant fluing a selected (and obstore). Resiling parat - Formerly, a supply posst or establish-

some or larger wests down spreader. Dies Sangly name) Regimented recover area .- An area in which the regimental recover is namely disposed for defence alone and (fine fig. 111)

Registration .- An adjustment on a selected point to de- Same or trial shoot termine data for use in perparation of fee. One also

Repoliting affect. The others in charge of a regulating Regulating point .- An easily recognizable point where to

Argulating stonics - A traffic control agency established

of the theater of operations. Buildingson Tooms and to assess the strength Same.

Brigade reserve area.

HANDSON ON THE BETTER ABOVE

Husted States Secretary - An Individual who is restored or externed. Secon.

Repleasurest. Gler (loss) ;- (See Faller (Loss) replacement) Reconstructs ... The convented needs for a makeur force

are classified as individual communitarial social.

Reportments, industrial fractial) (maintenance) (gransand and (received - See Jacksobard (Institut) (Mana-

Recombing .- o. A record for supplies, mosally on a Indust (a) were (b).

Braces (Andread) A fraction of a command held initially. Sense.

Bearing recovery amonds.—Those sarrahes recoverage to meet. Reserve supplies rescriptory retunerous incident to company, Oler also Chefit 1

inspectiate needs for the necessar of converse continues

servelies." Battle reserves are supplies Bettly resorres .- Supplies accountainted by the army.

Judicipal recent ... Those enried on the schice.

M. ODUTROSAY.

condition, is provedly reads for the purpose of seguedecognagement. A merement made to frecrish a

force preparators to renewed efforts against the

on a consumed as a result of an unsuccessful operation or conduct. The act of retreative. To retre from

Sefreguade merment, A morement to the rear,

WW 20 410 CT ORGANISM Daniel

Donald States

conveys rules. The most slope of a position on also Posit (left) hard of street ... The back which is on the

Road Made - A literate to black or have the recoverages of bootile voluntes along a road

Rolling barrier - Artiflery for on unecourse times art-Reades of communication.—The reases or allotte for

facilities, navigable waters, and neptung facebook

familiare

S-1, S-2, S-5, S-4- (See General Start.)

Salmar ... The distriction of abordaned rendered or unreport Property so collected. To recover or wave Sandation - The use of application of variatry measures.

School of measurest. The community's place for one. Place of attack. Once playing suborderate acute to accornilish a passers. Mr. 1101

obtun information of the enemy or to accomplish

primarily for measuraneous observation. The body of troops used to sereen a

Dailed Stein Second artifics (Cond Aprillers Corne) - 42 artifica-

and a second of her than 13 and cabber Occasions attack -- Oles Holding attack)

which, on its face, convers no intributible measure in

was proless language. (The more) test of a message constitutes a expringrate.)

Sector -- One of the subdivisions of a countyl freedom. A

delegan area decorporated by houndaries within which a

States of South sertion of terrors, descripted by boundaries accurred to a unit or weapon to cover be

Scrapty -- All presures taken by a command to restort Gran Ohn a charitan starily from theoreating, agreement, or terrare setaric

cash measure. The enforcements of military does Security deleganced-Agy until drapped to protect

Seige for recard .- To gain physical recursion of, wen Same

Aratry count.-A serent norted for scenarior and informsthe remarring tion rosting reachy and furnishing the

reled for the scatterie. As exposured of one squadsome march characteristics, placed under our com-

the division as a whole rather than any particular

Source mails for elemental ... Those opposite tions pro-Booply mate -- "The whose functions are to provide for the regists, teamh-brents),

Memage is either or

	Th
88ARIES	

United States States - Any form of expendency from view, or protect from or every. afford or nematic abolics. To assess or speer from

Sheller, Assaw shellproof-A shelter which protects

Stehr, half -A shelter which projects against descri-

Abdier compare-most - A shelter which protects against

reserve topolities (See Euritaly)

Supplied to proper and the second sec to become measure from one founds, and to excellent

considered or direct personal account Suppl communication received - New Suppl pro-Stated intelligence - Intersected information of the Seese.

dignal epocates unitractions.-A type of courbat orders

Sincel arrants.-The security of fractily sexual comexecutation memory invite repaint the availability and

mieflectuitty of that leafly to enemy or other miefle-Study day comes, A careers to which only one lens. assumbly is mounted at one time.

and so which its above count by haved. They install

of these confrience, and the possible free of action,

Same (for ferroations formation prorresion

occurre of notice.

ANUBOOK ON THE BUTTONE ARMS

Situation man.—A rean showing the tactual or advanta. Structure or hards centres attention at a periodice time, usually for use many

Swell-rate many Mary of a peak varying from

eighter dewaying or host in necession or installations Same - A sobler, munity as expert also, detailed to

In the engrano of his taution, advangement on modernial

years flights.

All consentiative rests with the conveneder, in where

Steamer area -- One of a sense of areas on the resto of Home

across a probably graves of causer approach, or as

CLOSSARIES

United States

Standing countries asserting -- Boutine procedure pre- Standing orders. arrived to be earned and us the absence of orders to

Stores-now .- Two vertical nertial (or nie) abotocrasko

Shreeneau .- The shifts to obtain an effect of reled by

create of an object made from different marris of

Altreadments. Three vertical serial for any observation

authority from his owner material Streeter from A how, meanly designated by means of well-defined toronta features reals as reads, realways as

their record A second accorded by according one Same

Strong persi. Formerly, the defensive area of an infine-

ton account (New Defense area) Subscript on United the cathering and a sector.

mary or alternate positions. According A present term common all these memorary

Avends noted -- A serveral term used to include depote. milkends, dumps, and describeling records Suggesting division. Generally, that divisage between

offences of defences action

No oppivalent.

ascelly to ordered samples other those essis, annualice, and warthr stored

No convenient.

Supporting and .- A cost setting with that not under the. But us expected direct orders of, another unit to which it does not

Box vector of the mand which assurbes in front of the receme and nec-64, 1093 Suggest of the extract .- The principal scholar of prefet-

open of an extremt Support of the year grand ... That years of the year grand which morehes behind the reserve and property it has

observation and corried torse or year of the front-line treasure to shelter the

supports Supplets

Supplets

A defensive position oblique to, and

Teller of Brain Allerman (TVDA) - Tables record C stee

of the pressuration of each typical advantations Tartical procupus - The holocont promine of combat

Teril of column.-Last element of a column in order of basis.

Torset - The records throught which fire is to be directed. Hence,

LOSSABIES

Thested States Tourse compariment -- See Compariment of terroln) Theater of exceptions - The area of the theater of way Serie. to which countries are or may be employed. It is

Whenever of your .- The antice uses of head, see, and not True distance. The distance to a posset measured in

the count for the rate of recesh.

Time fragit - The term required for a column to pass a

graves poord Then of estant (or "H" hour) ... The hour at which the

Trans.—That portion of a unit's transportation, includ-

of the west occurrenced primarily for supply, examinof the cost, such as "lot Infactory Texts." Toronfor units - The point at which control over marray

Trees iresive - The art of leading troops in manufacture

Proces recommend for affer-A suppressent for which brooms are gooved by means of air transport. Trace married by wording.-A sovement in which

their organic transport. These property by motor - A movement in which the

by meter whales. Trace managed to shading - A movement by parter in Parce, which all or a portion of the trucks make autocorre-

true is meany both surers and tours Turning reserved.-An enveloping measures which Same,

Time and distance.

Time silonance.

Zero here.

Emburged moreoverst

Thested States

languag vertical photographs accomplished by the Plant ... A resistance force barriers a researched recurrention

mates of a rinch calls and adminialnela engenanter merts of defferent

Used distribution - The delivery of stars I counties to the

Unit land — A term used to redente raptival of leading

convokenation to the availability of the troops for conbut represent on landing within they utilization of Coulet soit hadres. Method of budlor is which

with at least their exceptual combat equipment and supplets reconstantly available for debarkstoo with the troops together with the syrush-

Comes used inching.--- Method of leadure in which

Unit sale of account . The appoint of exacting in college Unit of for ... The countrie in mounts on tone of access.

conver bombs, greeneder, and pyrotechases which a

baranda on more)

mar 20-410

Thirties Stocks

User replacement - The review of repeir by which are Reclarement of auuncersteable must macrathly in regioned by a like. ----Theable unit mornibly. Decade unit macentary.

Closest call -A telephone call believed by the calling Process and

he in progress. (This elsaufeation of rails should

Please measure -- A recovery provides the speaked record Toronalista on record Married Committee and advanced - As agend abottomership

rands with a captern where optical axis is at or Manual (second - Obes Control outstand)

Venezat.-A chorded agent which is readily shouted flame.

the keeper body, causing inflammation, bures, and destruction of tierus.

Private signals ... Servals converged theories the care the ... Serve upchade simple tenessated by flags, large, panels,

current control Colleged A votes such set which

may be carried and operated for both receiver and

Way Department establishmen -- The pullitary ratellisence - Way Office Intelligence

accepter order, concessfully for a monoment, which is to

follow: it may be a measure or a field order, and may be written, distated, or oml. The purpose is to

Wors .- One of a surrey of lines of foragers, mechanised actuals cook is deployed to depth. Wale-sealy photograph - An arreal for any photograph

takes with a casers which has a cone angle of approxmately 60°.

more conductors. Ware retonal most, -- An obstacle of harbest wire, errored

Ware diss - Out or more were screen. nombas with a host to force

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United States

Second defense for defense to deadle - A form of Advance This case of second

Zone defines (as defines in signit)—A form of defense. Defense in dispth which includes neveral surrenive batch positions mecoor loss complétivity organized. Zone of action—A noise designated for boundaries in an Presi (i. e. company, activates or a retrograstic necessaries within which the haritation, etc.).

advisce or a retrograde nowment within which the hattaken, each, user operates and for which it is responsible, one of from The area within which a unit in to be pro-

pared to deliver fire.

Zers of the mirror—The sees of the national territory. No equivalent, not reduced in theorem of operatures.

172. British military terms with U. S. equivalents.—The following ghosony is an incomplete but typical list of terms generally employed in British infinity publications, together with definitions

employed in Bettibl raffitary publications, together with definitions or U. 8. equivalents.

Briefs University

Action from pack Unperking gun and outting it in position

tdmenistration order Administrative order tdvanced dressing station Collecting station (ADS)

(ADS)
Advanced or forward HQ Command post
Advanced signal centre Advance message center
Aorodrome Androme

Aerodrome
Androme
Arroamitical maps
Aeropamitical maps
Aeropamit dazte
Aeropame
Aii plane
Aii poonntissance area
Air area

Allgament Allgament Allgament Allgament Allgament Allgament Allgament Alternative position Alternate employeroent Ammunition distributory point

Angle of arrival Angle of finpact
Angle of descent Angle of fall
Anti-personnel bomb

Angeneratron bomb

Approxities and traces or Annexes annexures Approximates of the same. Estimate of the situation

tion
Area of fire
Area search sorte
Area search sorte
Area search sorte
Area search sorte
Area band, braward

Armoured command vehicle Command cas (ACV)

Armoured troops

Armoured force

10v

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OT OSSAPTES

Local sessuit

Beyonan

Banda of washingerin fire

Antillan tile summer ofti or attached artillers (Mundar command)

Assembly position Assessment of value of intelligence report

"B" ochelon transport Battle or situation map

Belts of machine-gun fire Block programme Bomb carrier

Bomb ruck Wevelen Consulting and changing (chantification) Breaking and degrading (protected papers)

Cable route Wire has Ambulanco londore nost Car post (CP)

Casualty elegring station (CCS)

Chemical Warfare, Royal Chemical Wayfam Sorvice Engineers

Clock-ray method Clock face method for locating targets Defensive constal area Const defence area. Coast defence artiflery Seacoust arullery Coast defence force Constal fronter defense Coast route Code sten Call sign

Collad gun Collecting post (for prison-Collecting point ers of war only) Combined operations Operations carried out by land, sea, and

air forces Communication terneb Approach trench

Interdiction fire (complete) Connecting group or file Connectors Slo Mosting engagement

A coorposentation on till are

Assembly swo

Children States

mar 90-410 HANDBOOK ON THE PRITISE ARMY

Contarlara discoun Courses of action or courses

0000 Covering fire

Creeping barrage. Moving barrage)

Cruising speed ("miles ner bour") Cylinder

Daily ration strength state Dady supply train

Debussing point Defence in denth Defended locality

Defensive position Deliberate country agracie

Delivery point. (See Ammunition point: Supply

point: Petrol point) Desmitch rider (DR)

Duty room Embussed movement Embussing point

Encounter or contact bat-Payakoung force

Conomunicable disease Kitchen pobse

Security detechment or much outpost

Military crest Chemical cylinder

Dudy telegram Dolly train Day of smooly

Dead space

Detrucking noint. Defensere zone at defense sava Counterpreparation, or emergency or

Protective obstacles Counterattack launched after consolida-

tion of positions Distributing point

Development or deployment Disputch or message

Troop movement by motor Entrocking point

Vishter electric Fighting group

Fire, destructive Fire on fixed line

Fire on opportunity or gun fire (GF) targets

Fire on the move First-line reinforce Freed Inc

Forming up Fortress commund

Forward area

Forward (foremost) de-fended localities (FDL's).

fline of

Forward observing officer Vorwand standing nated G 1098

General officer commanding Ground strips

Group (of vehicles moveur

Gun position officer

Harbourine nesty

----Pursuit existing Air Deferae Command Combat echelos. Firmy ugot in trench

Destruction fire Fixed for Fire on targets of opportunity

Asserts fire Filler replacement Final protective line

Flight tremor Parade or review Assembly or formation

Coast artillery district Main line of resistance

Forward observer Outeward Tables of Basic Allowances

Commonding general Identification panels Same or groupment (Coest Artillery Corps) or combat team

Groupment (Field Artiflery) (Gun) park

Executive or battery executive Ramrod Some or interdiction fire

Same or beyone for amoved formations Quartering party Captonerent Countractive launched before consol-

ulation of positions

TM 30-410 178 HANDGOOK ON THE BRITISH ARMY

Immediate or most imme- Urgent message diate message

Important message Procity message Indent Requisition
"In support" Direct support

"In support" Direct support Intention (orders) Decision Delaying post Junction point Uniting point

Januties possons Limiting positions Army Regulations
Leading toops in attack Attacking echelon
Leadfrozome Passacr of lines

Leapfregging Passage of lines
Leaguer Bryonac in open terms, with all-around defense

Line shead Column Line/angle of sight Angle of site

Line of communications (L. Communications none of C) area

Outposts Outposts area
Line of outposts Recommissance strip using vertical and

Line route Otlique photographs
Une circuit
Lane-telephony (L/T) Telephone
Lond-carrying for Concerture

Lorations for sector controls Civilinal points
Main arrivey of supply Main supply road
Marshalling yard or shunting wad

Marks or markings Identifications
Massed fire Concentration fire
Meeting point (for samply) Control point

Meeting point (for supply) Control point
Message form Message blank
Meteor report or telegreen Missocological ("in

Mice layer
Mine layer
Mine player
Minimum crest clearance
Minimum range
Recommensance paired

Mosaics Recommission strip using vertical photographs only

Motor park Holding and reconsignment point
Motor unit Motorized unit
Movable obstacles Portable obstacles

Movement by march route. Troop movement by man

GLOSP LEVEL

Morrosount or amb Movement table Movement to new noutron

Normal numbr

Officer constanti

Operation materials

Operation scaler (00) Operation or sketch man Ouler are forms

Outrost

Point section (of the van Point

(brazes

Budio-telephony (R/T)

gunid Recummissance sorrigh Recovery vehicle

> fin the case of a battalion or similar unit)

March sweet March table Displacement Rolling horses Conference call Neutralization fire

Type organization Automotic canoly Communiting officer Fragmentary order or letter(s) of instruction

Field order or combat order Operation map Cheek list

Combet outpost

Parecool alatterer and source Individual sourcest

Distribution point (for excolure) Picket Schoons of manouver

Cosmolty areas (chemical) Position in readings. Preserranged or schedule are Urgent reil

becanty Badiotolephony or radio (volce) Rear party (Rem section of the) was Support of the advance general

Observation aviation "Red Cape" (Corps of Mills Military Police Remmental aid post (RAP) Asi station

Mar. 20, 410 120

Renaire first fine

Requirements Reserve supplies

Sentry post

Shoot, tnal Signal hox Signal communication a-

long the center line

(armoured) so the mein exist of advance (infantry) Sumal office Suzzai officer

Situation or buttle men Sketch or operation map Shi trench Speed ("miles in the hour")

Standing petrol Startfing) line Starting point (NP) Strazglers' posts Submounting

Supply installation Serroly units

Samo or check concentrations Replacement or loss replacement Maintenance fourth eshelon Maintenance first echelon Muntenance, second echelon Maintenance third echelon

Phone line Credit or reserve requirements Surgert trench

Sentry squad

Same or message Switch tower

Communication officer Operation man Shelter ternels or feshale

Standing operating provedure Line of departure. Insteal point

Lower carriage Emergency hourses Supply point Distributure point Service trun Auxiliary arm

69.6

British United States
Sweeping or traversing fire Traversing fire Trebepenter Trebepenter Time allowance Time and distance Time and distance Time pasts a neart Time batterial

Time and distance
Time pest a point
Tipe pest a point
Tipe pest a point
Tipe pest a point
Tipe begith
Ton
Tone
Tone
Tone
Tone
Tone
Tone
Tone

Track plan

Trial about Registration
Unit in support Supporting unit
Unit "mysler commercia" Attacked unit

Unit "moire commerce"
Unit 'moire commerce"
Unit transport, "B"
etheke
Tran

Vestal order
Vestal point
Vesta

War Offsos intelligence
Water bottle
Weapen pit
Weapen pit
Wardens-telegraphy (W/U)
Radinstriegraphy or radio (key)

Withdrawal References or retreat
Zero hour Trace of attack or "H" hour
Zene of fire Normal zone

173. RAF terms.

Ack-Ack Auti-dree
Anfrare Friedage
Anscrew Propeller
William A layer 6

Balbo A large fermation of aircraft
Bale out, to To take to one's pour inte
Blits, a solid fram of Lerge formation of enemy six coft

TW 30-410 Presente

Above consord on the male or mobile

anida Boost Manifold recourse Besilv

Domobletson

Perachute Burops and circuits Circuits and leadings A homber pilot

Chresen Lite Flying near the ground or water Disnornal neon

To "nancoke" an aircraft Protected field parking Drink in the To come down into the see. See exchor

Applied to weather when unfit to fiv Inapourate information

Reur genact's lower position in the

Flek Anti-sironaft fav Elst ont

Gardening Mine laying Gedewne Explosion Information, low-down The automatic pflot

Get cracking, to To get going Gong, to rollers a

Hedge-hopping Flying so low that the aircraft appears to hop over the besizes A Hurricone fighter

Shorp maneuver; saiden evanive action of aircraft Kipper kite Coastal Command aircraft which convoy

fishing fleets in the North and Irish Sens Kite An airplane Main plane

Minkey Mouse Bomb-dropping mechanism Office To "win" a wanted acticle Ouganize to

To retae to function

Denous Swa Pool off, to Play mussy, to

Ouero Bos

Quick againt or quicks: Bang the belt

Screamed downhill Shozbet Shooting a bire

Shot down in flames Slipvey Stake about Sprog

Stick (of breaks)

Nanone Stocking about

Samuel. Accurate information Cockett of arrends

To make a mistake WAAF Commander or a radio-directed

To break formation

Taxtway second field To hade in the clouds

Short, shorn burst of marking-gan fire Got good results Street, or operation

Monther of crew who tends furcious and wares etc. Real, designation on officer's cuffs Unesmolimentary adjective ("a ropey

Mosson

A sensely vether Piece biobanote klaser To continue to fire: to keep after the

landing," "a ropey type," "a ropey evenmer," etc)

Expression talk, conceally shout one's Omesed in level nevers reprinend

Operational aembatics Performance of one task by one aircraft New allot officer A bad mistake (smakery from an aircraft sponsing out of control into the

ground) Corresponding officer of station One series (U.S. air pilots use "stick" to refer to the wooden handle by which the arrolane is controlled.)

Dronty, that is, second pilot or any ac-Delayed landing; flying slowly over an mar no 410

Observat natural 04-78--Securing

Not the real thing; also applied to

Tear off a strip, to To menors a left: to not reads To cresh

Touch bettom, to Rear evenes in leave horships arounds

Leading more than one saugelros may Train, driving the beattle Landing great

Unserviceable; under maintenance or

things; good view, poor view, dun view long-distance view, lean view,

mutside view "roney" view etc. Naval records officers therease of the wayy stripes) (see par. 83g (5))

Write off, to 174. Some differences between British English and American English.—a. Spellise—There are lew differences between Buttah

diserval, plough, prologue, programme.

spelling and American spelling. The only ones shown consutently see the British "B" beside the American "I" before suffices on words with the second (agaccented) svilable cading in "I"; the "re" (first) beside "or": and the "our" (final) bends "or." In these and other differences the British variations often reflect merely a retention of an older spelling which American utore has discarded. (1) Duplication of the consonant "I" in custom instances upon

the addition of a suffix: counsellor, levelling, signaller, travelling (2) British "re" beside American "or"; califor, centre, fibre, fitre, metro, then tro

(3) Beltish "cont" baside American "me": sympose behaviorse. colour, harbour, honour, labour, (4) Retention of older spedlings aesthetic, ansemia, barque (boat), mialcone, thems, draughé, excrelopacilla, epaulette, eramos, me-

(6) December 1 (1-7) for (6) and (1-7) for (62) understanding enougher explor symbols system (automobile) type

60) Occopional Salt for Salt (though not combine the commission or

ranking openiation neutralise neutralising neutralisation (9) Microffs process above one bakes and (proposessed 9 letter) modeline over storey (house) tear performs A Decouposition — Phone is in second on southly difference by

tween Beltish and American intensition but there are few estend differences in reconsidetion. Chief of these on the British showing of polycyflobios and profilection for the broad "e."

(1) Differences in accordantion .- In general, the British procunctation of anywellables tends to place a beavy stress when the accepted syllable and consequently to level out unstroned correla which one thus reduced to obscure sounds or elided altogether. In American representation the unstressed criffolds are board more closely, and

accent addyses Advertisons advért-yment Elleone conform consider. frontide. kflomöter mediana remûnezhtive sánitey

(2) Differences in speeck sounds - (a) British broad "a" (as in "father") beside American short "a"; bath, down dance, France, glance, gram, ball, past, path, wrath, and many others. (b) British long "i" beside American about "i"; acile, civilisation.

futile, organization, reptile. (c) Miscellangens, been (British pronuncution "benn"), clark (British morning action "clark"), depot (British prenunciation "direct"). dynasty (Bultish progression" diseasty") forum (Bultish progression)

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"flower"), ashedule (British propupriation "shildule"), "g" (the letter.

British pronunciation "sed"). (3) Proper names.-Proper names the spelling of which long ago second charges not shown in the spelling. These changes include thestoring and durring, and the loss, in pronunciation, of consonexts retained in smilling. Chelmondeley (proroupeed "Chumley"). Glangester (proposinged "Gloster"), Greenwich (pronounced "Gronnich"), Leisester (pronounced "Laster"), Nerwich (pronounced

"Norrich"). Waswick (pronounted "Warrick"), Wascotter (pronounced "Wooster"). a Vacatalors.—Of the several hundred thousand words in the English leaguage, all except a very few knys the same meanings in Briefish many and American much. Occasionally, however, such differences as British "trunk" call for American "long distance" call. "aborning" for "dropping," and "etalle" for "erchestra conto" are troublesome. The following lists above some of the most frequently showed differences in many. There is of course constant interchange of thought between Americans and Britishers, in speech, periting and print, and some of the terms here listed as Bottek are

and in the come areas by many Americans and they years. (1) Business: Bill (everency) Bank-note, note

D.Bfold marketbook Notocase Cheose Company low Leader, leading article Executive position Administrative post Toolograin or manufac-Installment size Hire-purchase or hire system Newspance cutting Notebook, memoran-Beelrotheek dum book Pen poent 1 "Corporation" by Crest Books is the governore body of a passelpation.

Belink

(4) Business-Continued

Preferred stock Selent partner

Desfances stock Compleyful Block-coat worker

White-collar worker On Chillian nons.

Boots Blob boots Wallingtons Butter mushe

Chassochth Mantle, robs

Boots

Shorotelow, shorings Braces Vest simplet

Bowl of wills Basin (or boson) of milk Bestmod Riscoits

Broded Grilled

Council mode Maire, Indus corn

Indian meal Cracker, cookie Bearnit

Walnuta, French nata Jelly

Com Hennel bears Black) trencle

I Cally erystallised sugar is suffert result; In Cases Benefit

TM 30-410

Pic

Patata chine

Rare Roast of meat Serambled eggs

Anestment bouse C'Apartments for

Rent")

Faucet, spirot Second floor (b) Law and valles affairs.

Chief of police

Inheritance tax trick.

officeholder

America America Angetment 4

Block of flats ("Flats to Lot": Wmion shade

Monkey-roats

Laint

Muserale Vozetable nourow

Grown, smile Gerser

Called to the bar Chief constable (British) subject

Public reosecutor (Parliamentary) constituency or divisices Inland Revenue, Eactse.

(b) Taxable addis addis Continued

Botol Policemen, patrolman, Constable, hobby Special election

Foreum Office. Toxos (municipal)

(6) Motorisov

Assertion

Cool oil, kerosene Crenk Programmer beales

Femiler Gas, resoling Hond

(T) Geoupetions:

Construction crew Drunsst Fish dealer

> Fruit seller or dealer Fruiterer.

To stand for (Parliament) To turn King's evidence

Photos. Accumelator Fender, hoffer Motorcor, car

Starting handle Horal brake Wing, mud-wing, mud-quard

Bottom over first snowl (Serva) menner

Dickey

Sparking-plug

Genz of navyles Chernot, apothosars Fishmonger Costermonere, coster

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en Georgetians-Continued.

Lumbar

Public unrealises Licensed value Saloon or tavern Lasper

Tinner, or mender of note and never

Traveline salesmen Versetalde man

Dark of conta Dock hunting ! Fare eards

Gramophone Radio

Vacadoville net Variety turn

(0) Post office and telephone:

Dead letter Cush on delivery

Your Darky."

Lour-distance call

Dustman Ironmonzer Filter

Poblecon, innicenses Tinker Commercial traveller, bosmus.

Position II montale

Choessa, flick Pictures, flicks, films Parture palace, emema-

Blind letter Carriage forward "You are through."

50) Post office and telephone... Continued American Mail box

Perpoid Sperial delivery

(10) Sobool and sollows

vate school

(11) Showing: Asserious Absorbent cotton

Charge account Chargo costomera

Dre goods store Notices

Park or package of cimrettes

Roll of film Salespeople, clerks Spool of thered Store

Asserinan

Billhoard Hoarding Cech

Post box, pills; box

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Carriore-rand

Donal (Obl. boys (of a school) Mossberg (of a college) Graduates (of a mayresity)

Conneil school

Government school

Public reheal

Multiple shop Credit costoners Tobacconist's (shop) Chemist's (shop)

Small wares Packet of eigenvetes

Shop-assistants

Shop Shop fittings. Shopkerper Brallah

MANAGON ON THE DESTREE ABOVE

American

Sidowalk

Matellad Personent footpath

The Underground, the Tube

OD Time:

Daylight saying time. Summer time

On writing dates the British beaution is exactly to slove the day first. One the

month as 91 Lane 1869. When removate alone are used to despite months

to Great Becam it would savely mean July 4, 1962.) (14) Travel:

Awarronn Barrage Laponon Barrage by express

Begreage car Van. begange van Beorgers room, check-Clask room left-berrage office 1.0079

Chreked baggmee Conductor Coweatcher, polot Pilot Slerpers Diner

Engineer Engine-driver Evolett en fflat en or gondolo om) Preight car (beacar)

Freight train Goods trees Loral belider Local or socommoda tion (train) Panacupor one or Carriago, passessors couch

coach

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(14) Travel-Configured

(14) Tran

Assenses British
Red espe * Portees
Round-trip ticket Return ticket
Temmal Terronus
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70. Michotocka— D. Derine the Pine World War, Green Bettier received a quartiset from "The Royal Piles Copes and the Rey Need As Service were surroged on York 1, 1915, and one service Variable for Service were surroged on York 1, 1915, and one service of the Pine World War—an probability for exposure of from only and not. In 1919 to strength was reduced considerably, and it re-regulates took place. This exposure posteroid at a modern stand 1918. Then you selected it is fined your solid histories of the Pine Service War of the Service Wa

and 85, for RAF conventional signs and symbols, see yes. 1833.

b. Up to the onlinear of the Second World Was, the neglecty of pilots entering the RAF were commissioned for a frame better to effect of the Fart News Commissioned for a frame, respectively, in the Bereve of AN Force Offices, during which they coming out a World Vinning each best. This system of distinsering the Second Se

The dominious have their own sir forces (per, 85c) occanized on lines closely resembling the RAF, and there are an addition many personnel from the dominants and colonies serving in the RAF. Thus not of the wraters European countries, it has grown into an international one also, for its uniform is now being worn by patientia of other countries leadeding Poles, Nerveguera, Belgiago, Datch, French. and Creshoslovalness

198. Air Ministry .- The Air Ministry is composed of the following departments, each hended by a member of the Air Council

a Department of the Secretary of State for An .-- Makes decisions on important questions of policy and on all matters regulate refer-

case to the Cabinet or Committee of Imperial Defence on which are Nicity to rome discussion in Parhament. L. December and all (Decharge entern), Under Secretory of State for Air .-

Carries out special assistant that from the Secretary of State for Air. e Department of Permanent Under-Secretary of State for Air-Considerates the business of the Air Ministry, directs civilian aviation, deals with public relations and in representation for all cancerditures of the PAF and smillen existing d. Department of the Clord of the Air Stuff -- Advises the Serreture

of State for Arr on the encentrons of the RAF. This department e. Department of the Air Mender for Personal - Administers were

sonnel and discusting. f. Department of the Air Member for Supply and Organization.

Occurees such business as relates to organization, works services, supply (with the exception of sirplanes and parts and rations, which come under the supervision of the Ministry of Aircraft Production, par. 177), and transportation.

g. Department of the Air Member for Training - Administers Sying and technical training for the RAF

177. Ministry of Aircraft Production.-Prior to 1940 the Direcscente of American Production was a division of the Department for Development and Production, Air Ministry. As a temporary wortime measure, the Ministry of Aiscraft Production was conted directly under the Prime Minister and independent of the Air Ministry and Air Council. It is charged with the production of sircenft and accessores in accordance with specifications approved by the Air Council for operational requirements. The relationship between the Ministry of Aircraft Production and the Air Council is accessarily close in order to avoid loss of readination and to readure airplanes of maximum operational efficiency



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and the Connect. The to Connect for the 1945 is absented by Parliament with the administration of all matters relating to the RAF. and with the armal defence of the United Kinesian. The Kine onpoints the possident, who in turn appoints the other members of the points the producting was in that opposition

o. Secretary of State for Av (propolant of the Air Council). of the Air Council)

- Reserved Today Separates of State for Ale

a. Air Member for Supply and Occanization.

A: Asr Momber for Training. Additional Months for the Direction of the Way

ORGANIZATION Air Defence of Great Britain

179. General.—The RAF is controlled by the Air Council and is organized into commands.

commend into comme series bearings (1) Bustler Compared.—Composed of all humber soundstees, excess those in the Countal Command, United Kinedom These roundrons are opposited us to a number of sections and are charged with convincout offensive bombine directives established by the Chief of the

(2) Fighter Community-Remonsible for the sir defence of the United Kimydom. It consists of a headquesters and fighter groups. and in addition takes operational control over the Anti-Aircraft Command (see page 16, sole 1, and first 2 and 17), which is torucontrols the aircraft warning avatem and the searchlight and round locator units. The fighter means are described throughout the

(a) Southeestern England. (b) Noethern England, Scotland,

(a) Western England (d) Southwestern England.

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(1) Omaté Comment—Speciella, de largard van parach remotiones ever the raw by show-hand control. It sho healthen to emponentively small stituting force of shore-hand bendera and hepolatones are also an impressant proposes of health paraches. In the reacht, and on impressant proposes of health paraches are not to a propose of the paraches of the paraches of the control to the range of observange Fighter Comment street. The own area emerational by United England is offered in other copysitioned section: the west and metrbers if the roots and east; and the street of the paraches of the paraches of the paraches of the control disposition of powers and an to spin are broad skiply the Administry. Personnel are supplied by the RAF, and engineering the presentation of the paraches of th

(1) Army G-specialise Criminal Consists of wings which are allested to Army usin in the Citatel Kanghon, and one group for training and miscellatorius units. At powers the functions of the commondar with expensacious, negativentation, and training in all commondar with expensacious of the complexitient of the Army units to which employment rests with the commonders of the Army units to which wings are simplest. The command is under as An Olderer Commondaries-Chief, with a cosine reasy offices on hard of the Art Staff and its Piece Art Staff and its absorbinate secretion of Army and

(5) Bellous Coursead.—Is direled into groups and is charged with the expansation, administration, training, and supply of the ballous effects expension of Greek British. Operational context is retted in the Aur Officer Commanding-in-Chief of the Air Defeace of Great British Geep part 180;

(6) Psylog Praising Consored.—Is divided into groups and is charged with the flying translag digital training of individuals. Operational training is security in the Bomber, Psylopies, and Coronal Commands, each command having accessary operational training must.

training units.

(7) Technical Training Consonal.—Is divided into groups and is classified with the technical training of RAF personat.

(8) Musicronuse Consonat.—(a) Bright into groups and is

(n) redistrantic consequence—(a) is crivated also goods as represented to all units for the supply and equipment of arginizes (through the Ministry of Alerent Preduction) and of animamition, which the experience of rations. It is further charged with the exception of rations. It is further charged with the experience of the content of the content, which the retrieng peaking, and crasting of sixplemes, exceptions, one, used by operational units, and with the [foreign of sixplemes, exceptions, one, used by operational units, and with the [foreign of sixplemes.]

(6) The Air Transport Auxiliery, which ferries simplenes from factories to main simplene storage units and to training schools, is under Fighter Communia.

A decad—O) Modific East Communit—The Communite in Chrif, Meditarrasma Para, Royal Way, the Garany Communitation Chrif, Meditarrasma Para, Royal Way, the Garany Communitation Chrif, Est, at an justify responsible for the confination and sonistent of spectrosis throughout the Middle East. Each in directly responsible for the confination and entire to experiment the spectrum of the Christian Communitation of the Christian Chri

Lerent; and Air HQ, Western Desert

(2) Air Forces in India, is directly repeatable to the Air Ministry for the
command and opining the price of all air bases.

(3) Air HQ, West Africa.—The Air Officer Communiting, RAF, West Africa, is directly responsible to the Air Ministry for the command and administration of all RAF units in this area.
(4) Frreying Conversed—The Air Officer Communiting-in-Chief,

RAF, Ferrying Command, is responsible for the foreign of aircraft and equipment from North America to the thesters of wat 180. Air Defence of Great Britain.—The Military Air Defence forces of Great Britain are collectively known as the Air Defence of

process of trend Bittinks are collectively known as the Air Deleves of Gents Birdinis (1986). They censis in creatin units of the Nex Ref and the Array, with the Royal Ways and certains tright on certainstance to the Ref and the Array, with the Royal Ways and the Royal Ways and the Royal University of the Ref and the Royal University of the

tion:

a. Fighters.—The fighter squadron has 16 airplanes seagned to it,
plus 2 as immediate reserve.

pages 2 no maximização reserve."

The complement of others and alress notice considerably according to the actual type of alresse, and acceptance and other tradeurs as adults as considerable to include the actual type of alresse, and the statement and other tradeurs as adults as the parties.

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181-183 HANDSOOK ON THE SETTING ABAIT

L Medium Anadora.—The medium homber supadron has 16 sir-

planes resigned to it.

c. Heavy benders.—Each beavy bember squadron has 16 simplanes assigned to it.

assigned to it.

d. Casald Convent's sparlvers.—(1) The composition of landplane
considerate in the Constal Command varies according to function. The

 Coastal Corrector episoryea.—(1) The composition of innepiate squadrom in the Coastal Command varies according to function. The average is 16 planes.
 A flying heat according has six or nine similares resisted to it.

depending on the type of strerafs,

e Army Co-operation squadrons—Army Co-operation squadrons
are not of consistent strength. The number of strengt assigned varies

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182. Meteorological services.—The meteorological edice is a branch of the Air Minustry under the administration of the Permanent Under-Servatry of State for Air and as the present time consists of a central weather-forcesting unit and 21 group for receiving stations. The control of the Cont

The groups are dished into 200 weather attains which report hearly. Its Medical and dental a serious—Fath consumed in a pumpil and mortal affects or direct sheeps of all maintening subtrapping and another different and feet sheeps of all maintening subtrapping and the serious subtrapping and serious subtrapping a



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18. Wannah Audlibry Air Pores (WAAF)— The WAAF
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Francis to desired, [Figal Port of London 1997]
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which is the subject of the WAAF when personal for day of AAF free
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Air Chief Marshal Air Morshal Air Vico-Marshel Air Commodoso Air Commandant Grown Cantain Green Officer Wine Commander Squadron Leader Semedron Office Klasht Officer Flyme Officer Section Officer Pilot Officer Assistant Section Officer Warrant Officer Flight Sorgrand Plight Sorgrant Corporal

Morshal of the Royal Air

Leading Aircraftman

Aircraftman, 1st Class

Alternfusan, 2nd Class Alternfusuman, 2nd Class
The term "corcenftband" is applied to a WAAF collisted woman inskilled in any trade (see par. 818(1)).

Leading Aircraftwaman

Aircraftwomen, 1st Class

b. The uniform (fig. 127; not also fig. 40) of the WAAF is patterned on that of the RAF. Shirts are standard uniform, but stocks are worm on duty in certain trades. 185. Glider Wing,—The Glider Wing, a unit of the Army Co-operation Command (par 17far(4)) completes the training of glider public for assignment to the glider regiment of the medicine division of the complete of the control of t

199 Progincers Special work units to the DAF Volunteer Reserve (RAFVR) do the converges repair of sindremes in England. in order to relieve army engineer units of that work. These units are designed to compense closely with the existing civil work prominention. The work waits are compared by fights of propositionally in tons. The work more are organized by rights of approximately to norm, measuring a minuter of trialrentees of ventrons someting traces and a number of muskilled laborers. The flight is divided into four sections, each under a noncommissioned officer. One section contains the building tradestors; one, the leading-ground renair staff, The other two are composed of unstilled latorem who rewride assistance so recorded. Phobits are becated at RAF stations and are The section of dead the state of the section of dead plice new receipts and accommodations engineer fights are under the control of the station headquarters. Technical control of the flights is excerised by the squadron commander in order to assist the inguis a valentiale by the signature committee in which is a service in that seen with special reference to the renair of enemy damage to landner fields

SECTION IV

497. Commal installations. — Tetrohous circuits or employed virtual excita Kilvan in Circuit Stream Possible past enumeration. Externe KAP units, and from BAT to Army and Kway shows and thelphane services in smallergh in the service in supplyed, lung excitant are sent for experiment of the plant of the phase services in supplyed, lung external services of the experimental excitation of the experimental form and the experimental excitation of the experimental form and the experimental excitation of the experimental form and the experimental excitation of the experimental experimental experimental experimental excitation of the experimental exper

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 The RAF operates and maintains radio communication between the Air Ministry and all overses RAF commands and air forces in the dominions.

188. Air-ground.—e. Fighter aircraft in Great British use from 100 124 mepstyells in the very-high-frequency (VHF) but if occumulation to ground stations and between planes. Bombers, guarati recommissioner, and Army Cooperation aircraft use 200 to 80 kilosycke in the medium-frequency (MF) band and from 3 to

to magazyeles in the high-frequency (MF) hand. The MF frequency is used mainly for communication to direction-finding (DF) stations.

A. Radio side to anxionation are provided in the following form:

(1) Ground direction-finding statum for fairing or formure.

Ground direction-finding stations for fixing or homing.
 Benezira to enable aircraft to fix themselves when enemy conditions permit use.

(3) Zed Zed, or "talk down," system combined with a homing direction-dading station, as in (1) above.

(4) Layersubeam superach and macroment landars system.

189. Lieutification and recognition.—e. Aircraft are identified by ground direction-finding stateous fixing the position of the railing sircraft, which uses verification signals. Other radio methods are she used.

is Recognition signals are made by lamp fisching or by two-star pyrotechnic signals.
190. Plane equipment.—a. Fighters carry a four-channel radio

set and use votes. Frequency changing is by push-instem selection.

6. Bombert, goaced recommunisates, and transport phases carry a command set, using votes, a listness set with no external order, a ractio compass, and beam-approach and funding equipmone. An interplace of its carried and InhAd to the commend set to enable a fire outstroller.

SECTION V

General Geometrio potierra Culore					
191. General.—The career	onalli	and	murking	a anniu	of to the

practipal types of Buttish alterraft (according to the latest available reports) are tabulated in figure 128. (For some of the types of British aircraft, see FM 20-31, and "British Aircraft," Aircraft Intelligence Report (August 1942), U. S. Army Ab Forces, Washington, D. C.)



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192. Geometric patterns.—The geometric patterns referred to

in figure 128 are as follows:

a. No. I.—The sides of the fine and rudders are regarded as upper surfaces visible from the side and are treated as upper or under surfaces according to whether they fall above or below the line which

us faces according to whether they fall above or below the line which generally runs along the fueslage, feeming as angle of 60° with the ground.

b. No. 2.—The fine and valders and the lower three-quarters of the

forekage are regarded as under surfaces.
c. No. 3:—No. 3 follows the lines of pattern No. 1 and is applied to arreraft having yellow under surfaces.

183. Colors.—The color abbreviations referred to in figure 128 are as follows:

g. TLS.—Temperate land scheme, which uses two colors, dark earth and dark green.
b TSS.—Temperate see scheme, which uses two colors, dark

thate gray and extra-dark sea gray.

Supplement No. 2

Arr-Raid Procession Byston (ARW) Arr-Raid Waster's Service (ARW) Anothery Fair Service (ARW) Anothery Fair Service (ARW) Fair Service (APS) Fernancia Charless, Mariety of Health House Gard. House Variotypy Service (WVS)

He Ar Badd Presentine System (AFF)—a. General T-AFF AFF Institutes under the richine percentarion, comply or bosony, shed are colory introduced with earlier and conposition of the colory of the colory of the colory residencement or support where such may be needed. The certains residencement or support where such may be needed. The certains residencement are support where such may be needed. The certains residence the color of the certain properties of the man usual and the color of the certain residence and property, whether that change is caused by an absoluted to be colored to the color of the certain properties of the certain processed and property, whether that change is caused by an absolute color of the certain processed and property, whether that change is considerable to the color of the certain processes of the certain properties of the certain processes and the color of the certain properties of the certain processes and the certain processes are colored to the certain properties of the certain processes. The certain processes are colored to the certain processes are colored to the certain processes and the certain processes are colored to the certain pro

raid shelters are neovided by municipalities or other local covernment sub-divisions but ARP concession in marcal as to adamser, character of construction, location, and other necessary features. e. Air-raid surving system.—The detection of enemy six-rait is organized and controlled by the RAF, which mes both RAF personnel and part-time civilian spotters. When enemy aircraft are detected, a first, or "yellow," wanning is given secretly to the official organiza-tions concerned with air raids. When the openry strengt are very near an area, a "red" warning is given, at which signal the sirvasid sirens are sounded. Since one or two planes can game a red warman to be maintained for a long period of time, however, work does not usually stop automatically when sirens sound. Busses and trolley care usually continue in correction and most workers remain at their sobs until the bumbs begin to fall, although they are allowed to go to the sir-rood shelters of they with. In the theaters the show continues, although the warning is announced, and patrons may remain or leave so they see fit. Large buildings usually marnians roof anotten who may notice when planes noticely commands near that area. These roof spotters also give an informal 'rail' clear" when insacellate damps: to those insule seems to have pead, although the 'roof' wanning may still be in forces. The RAP decides when the general 'reed' varning is to be cancelled. The radio plays no part as in-rail wanning systems and programs extrume without reference on the reason of the radio plays are part of the radio plays

to white rights or vive to relativistical negatives, seed-on-last contractive and the seed of the seed of the public closers to be a leader and an advance of the neighbors in a small zero or "next seed which is a seed on the single-seed in a small zero or "next seed which he is known and respected." Normally, weather set as which he is already to be a small contractive of the seed of the seed in addition to the single and advance there employees and previously the policy, the first brighely, and other local already previously review. The wanter is not a splittenance or a priceal consistent

and dost be have palies process.

A Oppositions—The warder expaniation is designed primarily for towns. At the hard of the town cogmination is the "Chair between "The warder "Towns and the hard of the town cogmination in the "Chair warder." Towns are divided into "warders" are called into the warders are called into the warders, are of what in warders, one of what is the "Scales Warders."

Warders." He is respectible for the imaging of the post and for preprinting the other warders. The next is seek part of the town the warders.

one or main has one with the section. The passes in the part or the theory of a "Head man or againsted in "groups" of 21 to 20 peats, each in charge of a "Head 110".

100. Auxiliary Fire Service (AFS)—a, divoral—The AFS was found a formed and treated to augment the repeate air beingast. When between the ages of 25 and 50 who mostle as multipay former needegs a conser of post total training for the doubt propries of testing their custodistive for each service and for fitting themselves to perform their dustion. These who consides the secures are intended on a "mension affel" of auxiliary of a standard conservation of the conservation of a "mension affel" of auxiliary than the conservation of a "mension affel" of auxiliary conservations.

fremon (fig. 120) and are used in consequences.

b. Dutles.—The duties of trained auxiliary faremen include the following:

(1) To augment the fire briends in an emergency, particularly by

 To augment the fire brigade in an energency, particularly by complexing the crows for the additional main fire-fighting appleaners.
 To provide reliefs for the regular farence.
 To record, the course for the noted units which are conjugate.

To provide the crows for the patrol units, which are equipped with light traffer pumps or hand appliances.
 To assist in manning the five posts.
 Executation Division, Ministry of Health. or Graves.

The bredgmarters of the Evacuation Division is located in the Ministry

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TOT 10-

198 HANDROOF ON THE BUILDING ABOVE

of Health, London. This organization functions independently and for the express purpose of evacuating creditins from the London area to asfer areas. The following groups are handled by the Evacuation Division:

(1) Children unacromosmics by narrat-

Chain en unscrompensed by p
 Mother and cliffd or children.

(3) Expertant mothers

b. Mrthof of operation —The London area has been roughly divided into 12 regions for purposes of execution, and the whole of the



Boitish Litrs has been made into areas for the reception of eveneves. Early region in the Landon area and in the British Litrs is consisted by a rappeal of informatistative office. The regional offices is permay by a regional control is provided in the property of the property of the provided in the provided of the provided in the provided in the provided of the provided in the provided in the provided of the provided provided in the provided provide

a stiff of voluntary week-ru by house-to-house canvas, by planaris in hirlers and street poots, and by precopages and redio. 138. Home Guard.—a. General.—The membership of the Home Guard methods particules men between the agree of 17 and 65 who have volunteered their services for the defence of their country. The Home Guard is a part of the Crown Farces in Greek Britain. Its officered. When in uniform, they have the same standing and rights as any full-time soldier of the resular field forces.

A. Functions.—The duties of the Home Guard make it necessary 5. Functions.—The distinct of the Home Guard make it necessary
that its members serve as observation and combat patrols, which are

designed to stelly the enemy and hold a defensive roution as long as congred to stant the enemy and host a deterieve position as long as possible, thus foreign the groups to shock his advance. Their task is to delay and warry such forces, thus subset their own resolves to to dotay and weary such forces, thus aiding their own regulars in their counterattack. Also, part of the Home Gunni's function is to carry on the elements if necessary in areas temporarily excess her the energy. The tactical functions of the Home Grand can for

reporal purposes he proposed into these been enterprised (t) Wassing

(2) Delaying the enemy. (3) Harnsang the enemy.

100 Woman's Voluntees Service (MIN) - C---- (T-WVS was seministed prior to the war in order to morning civilian dofence in the event of war. It is the largest women's meanisation in Great Betain and has played an important part in air-raid in equitions. 1 Decision The WVO description beautiful and the detection of the monther help symmets children, run nurseries and canterns, extrante homb vietma, etc.

c. Uniform.—The majority of its mombers do not wear uniforms. Some on certain duties wear a gray-green suit (fig. 40) with rust-

colored blouse and soft felt hat

260. Other women's services - Other women's services include the Women's Land Army; St. John's Ambulance Branzie; the Red Cross: the Civil Nursing Reserve, etc. (See fig. 40.)



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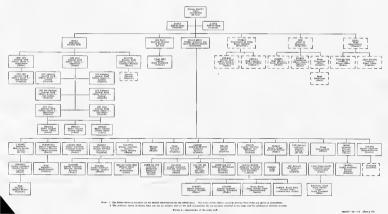
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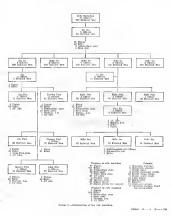


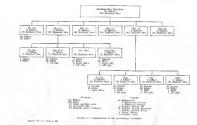


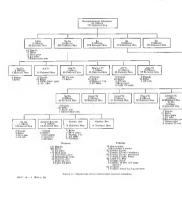
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